

Fig 1

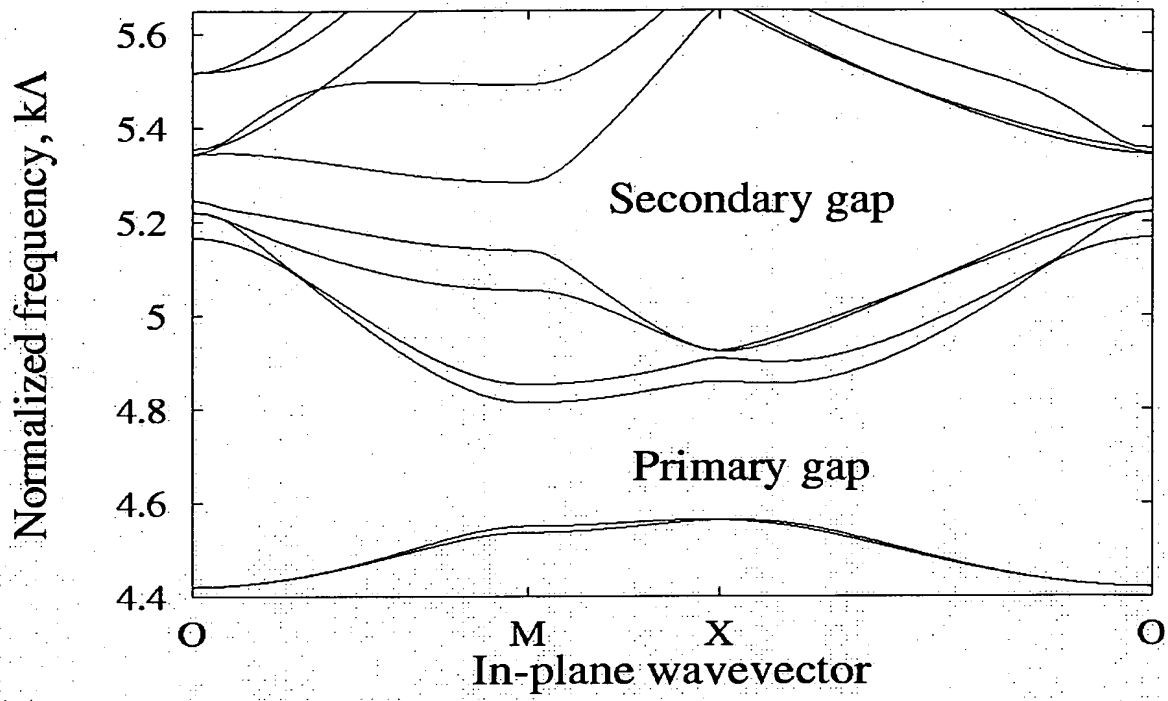


Fig 2

FIG. 3 is a perspective view of a unit cell of the porous silica structure of the present invention, showing the arrangement of the air holes and the interstitial holes.

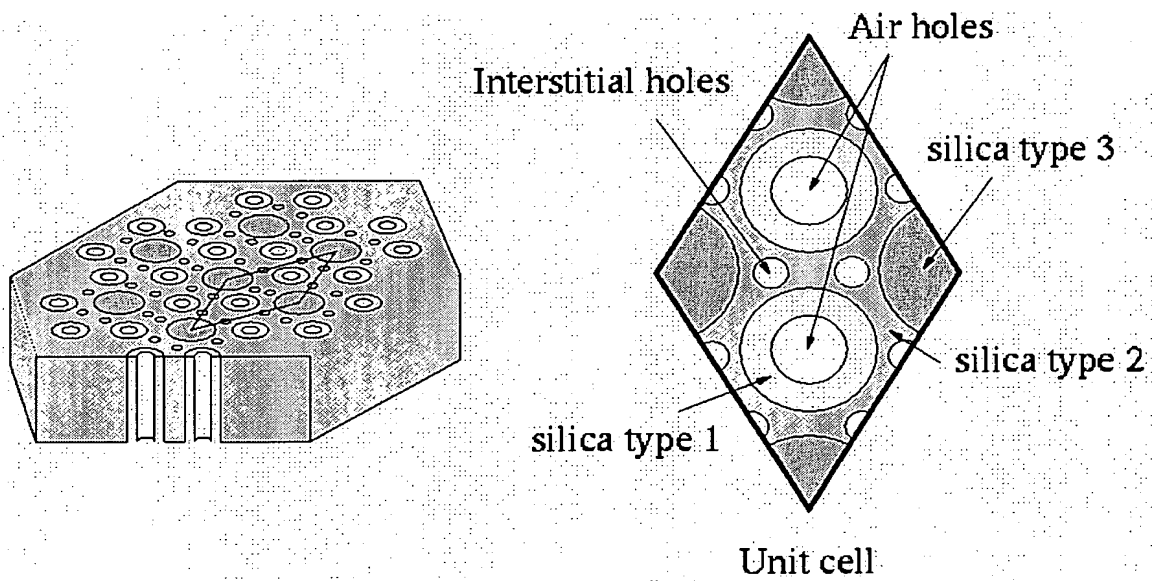


Fig 3

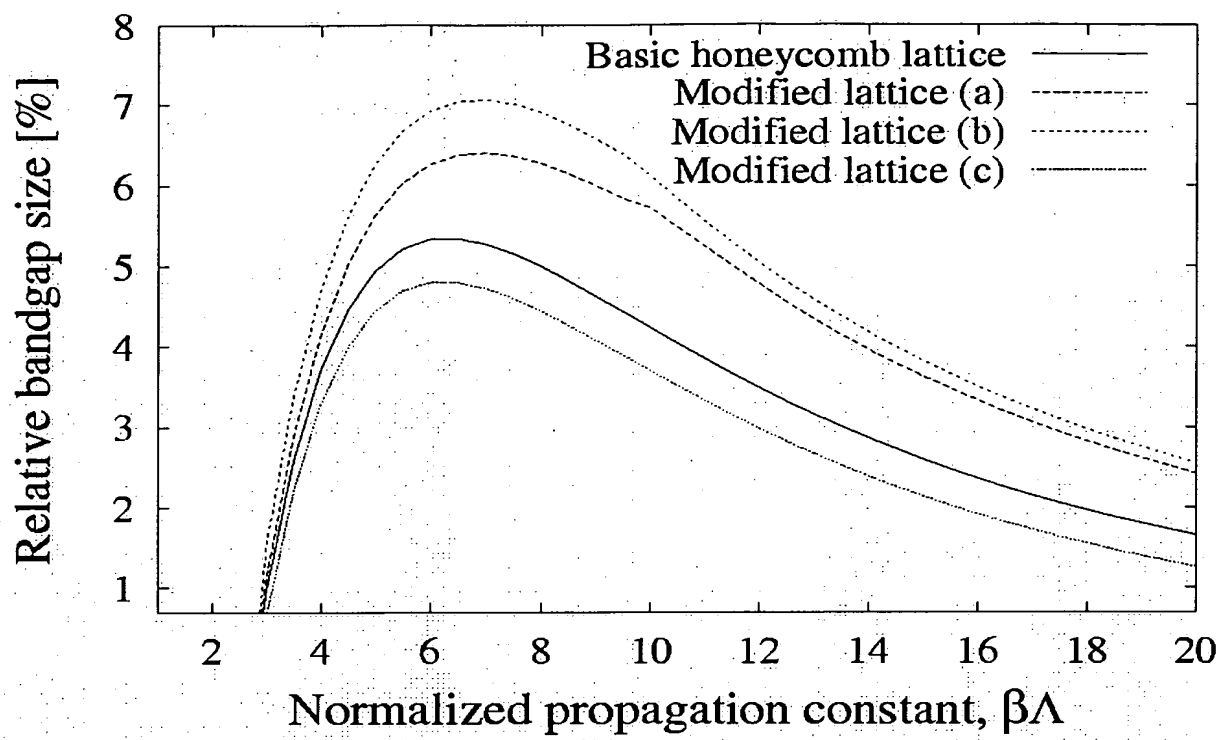
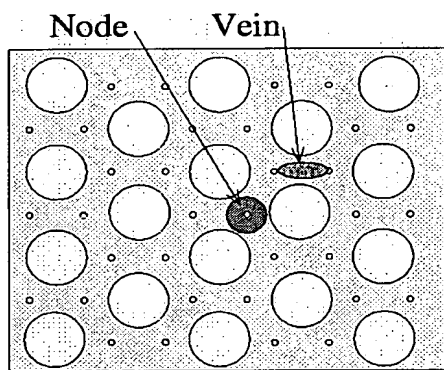
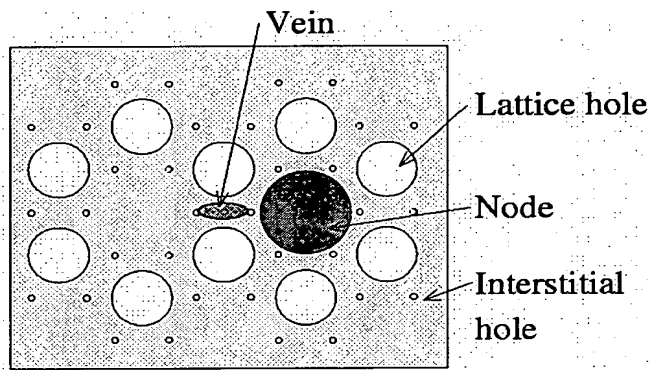


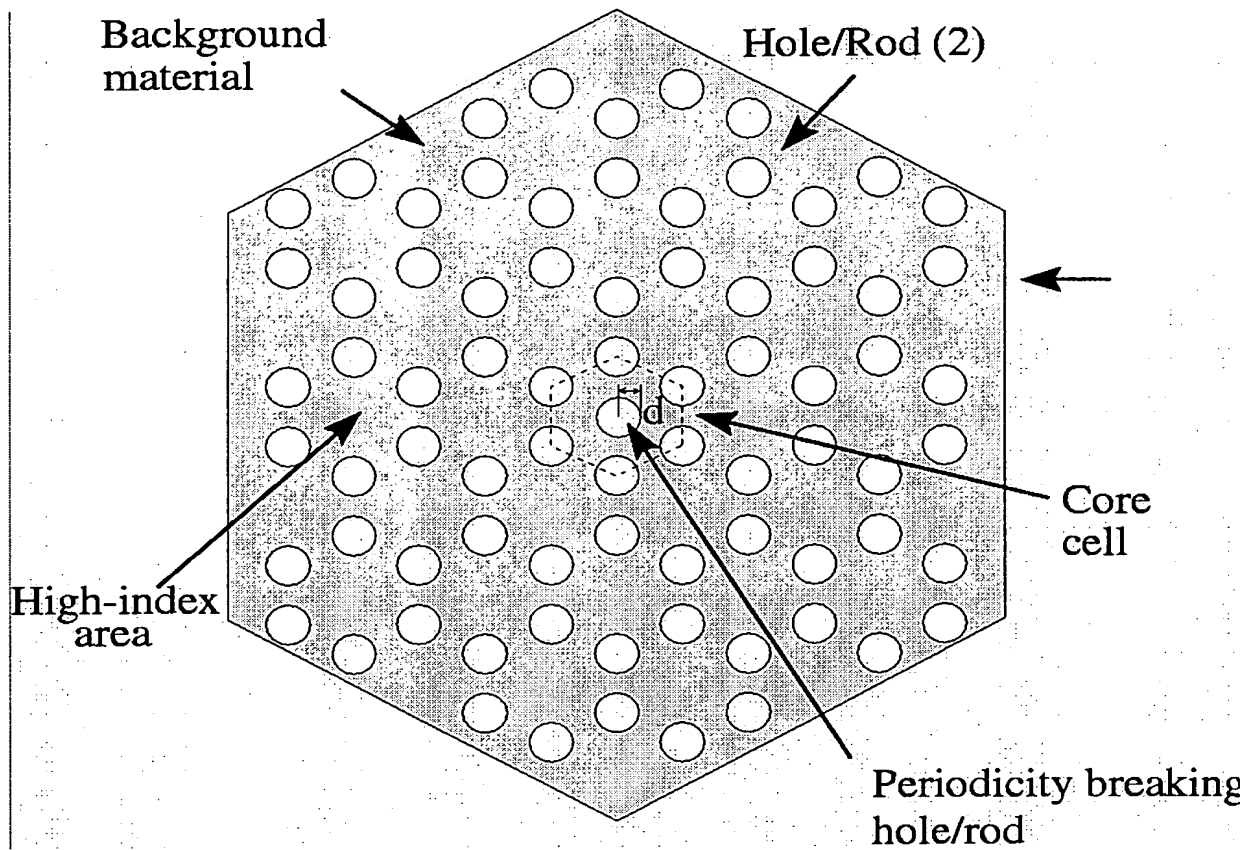
Fig 4



a)



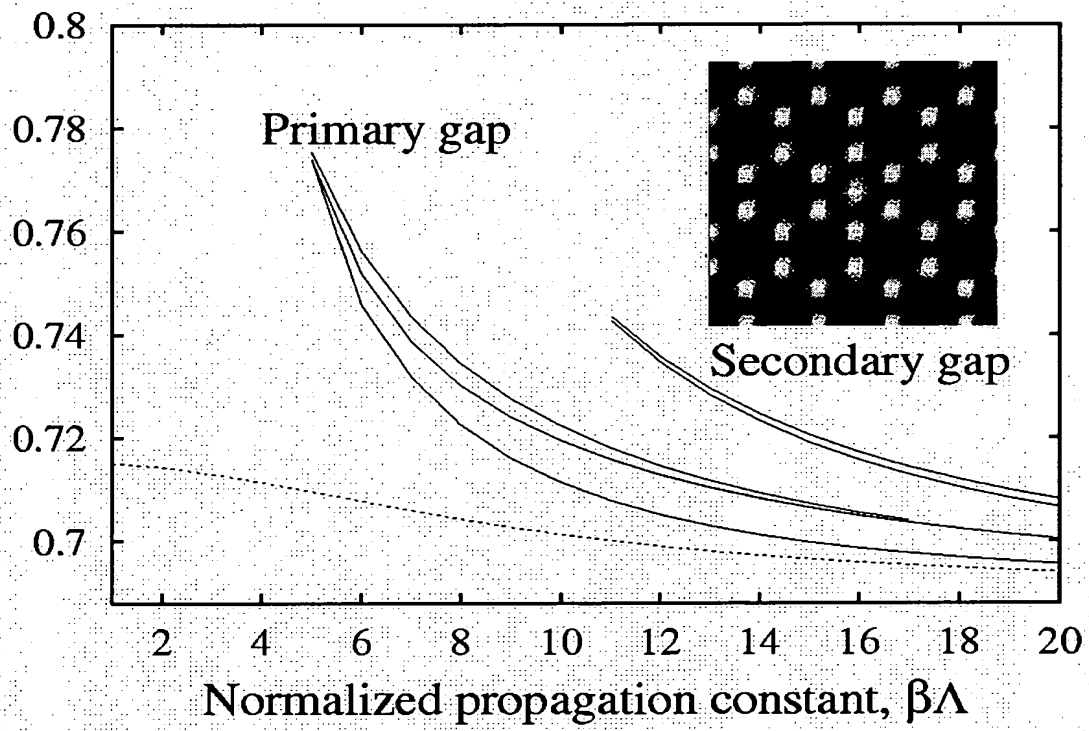
b)



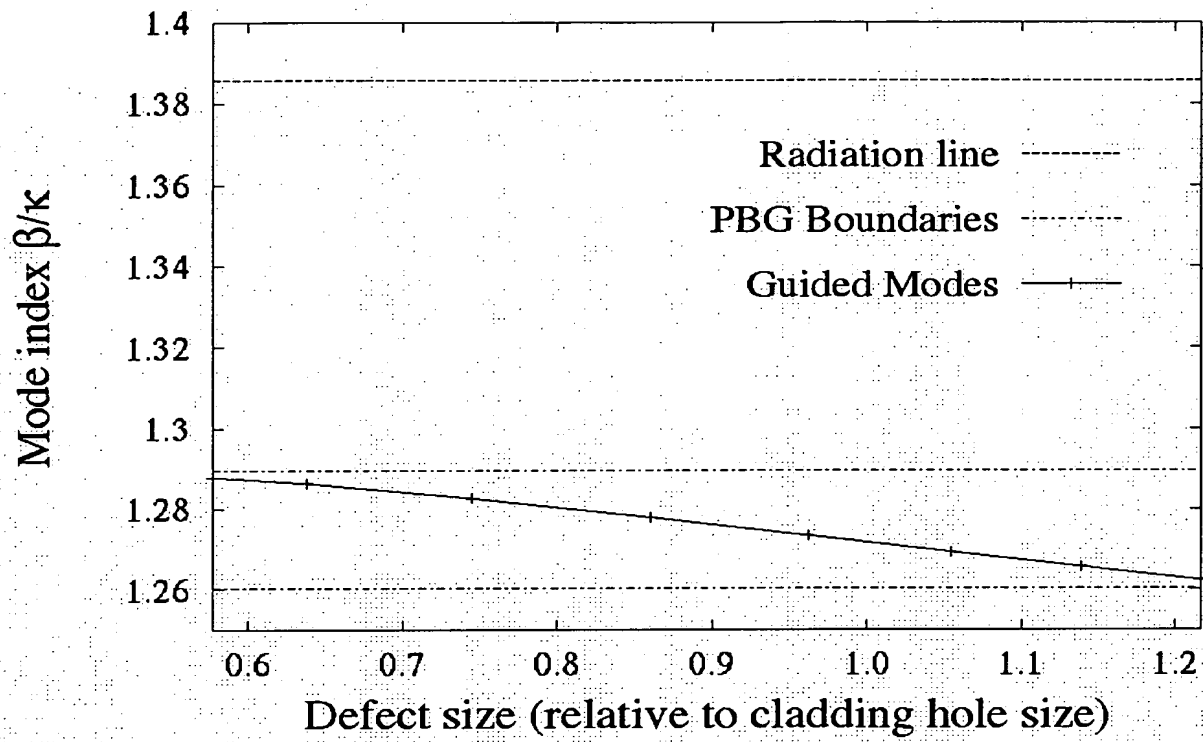
F.56

0.7 0.72 0.74 0.76 0.78 0.8

k/β



Fis7



Fis⁹

Triangular lattice

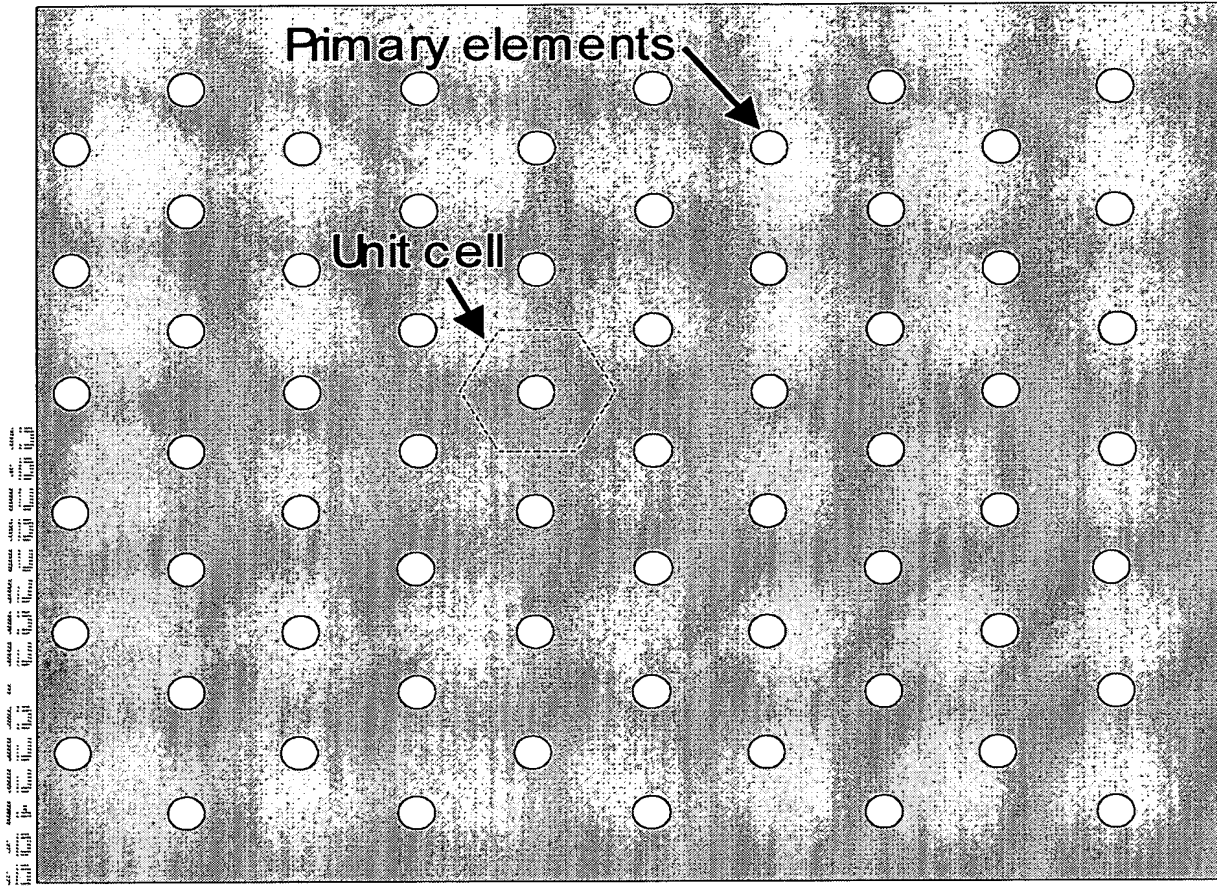
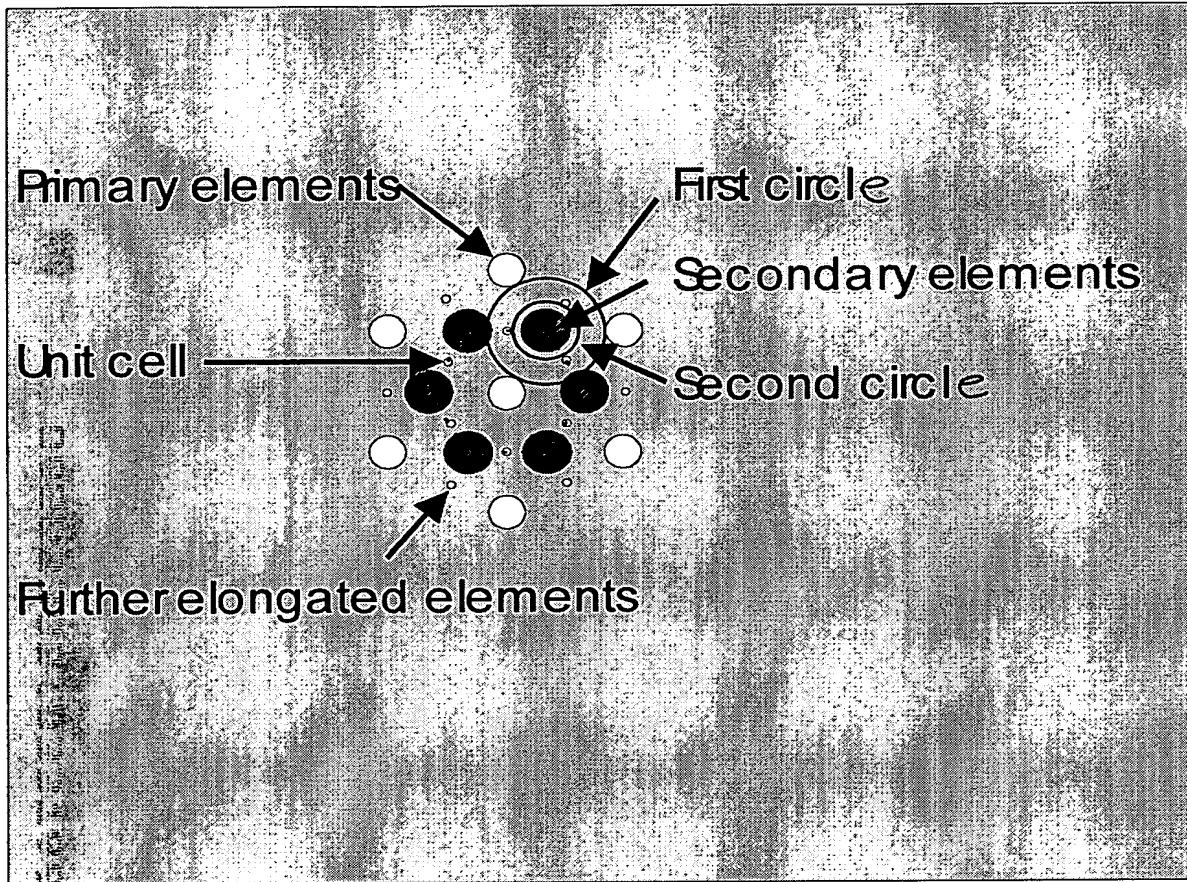


Fig 10

Triangular lattice



Fis 11

Honeycomb lattice

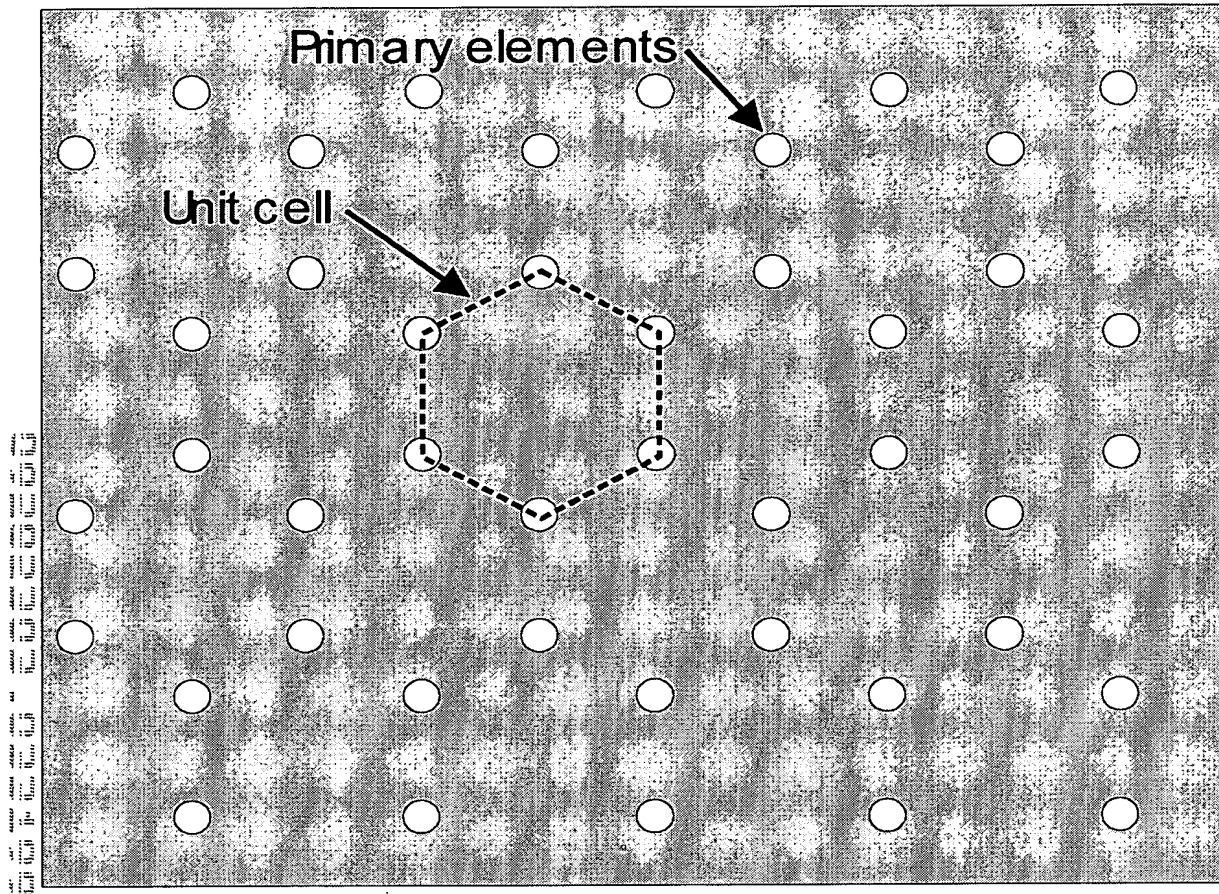


Fig 12

Honeycomb lattice

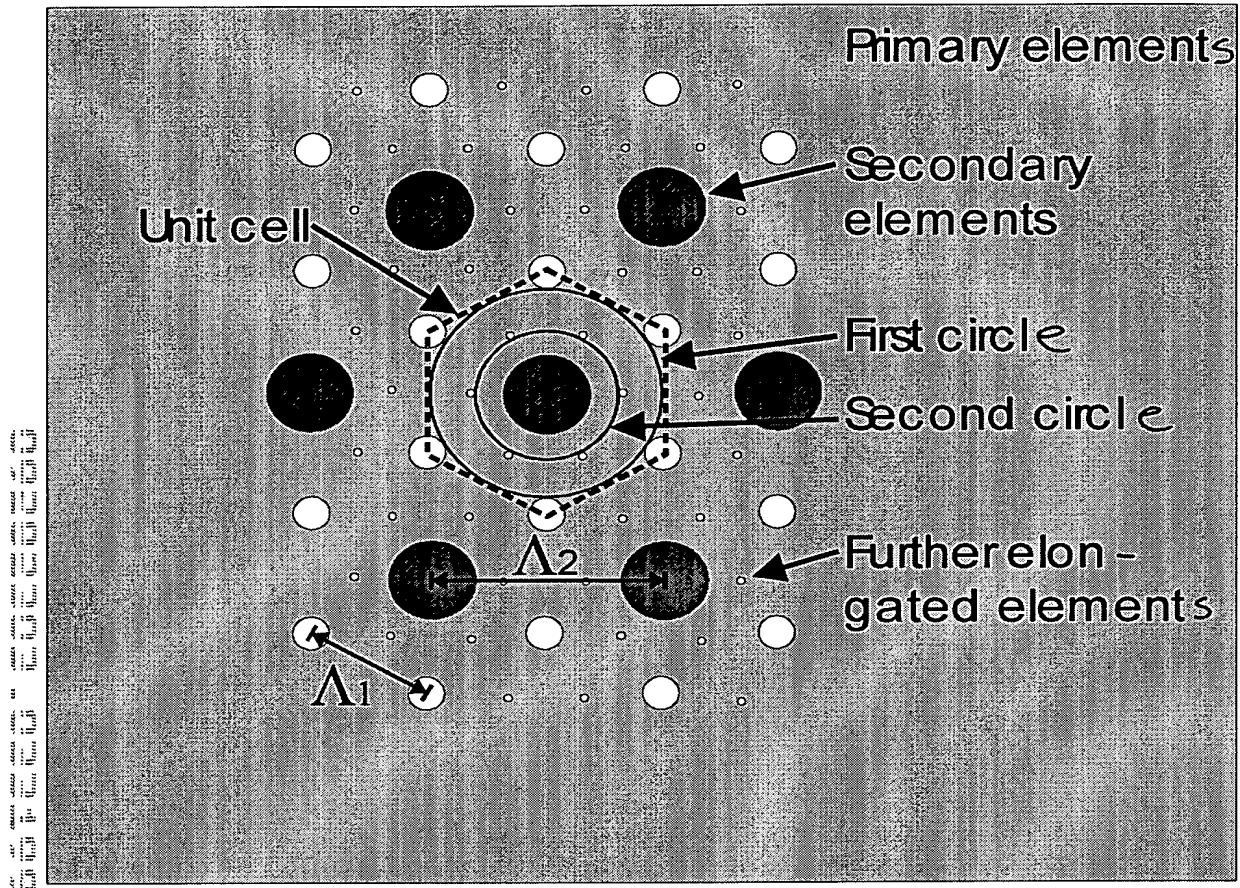
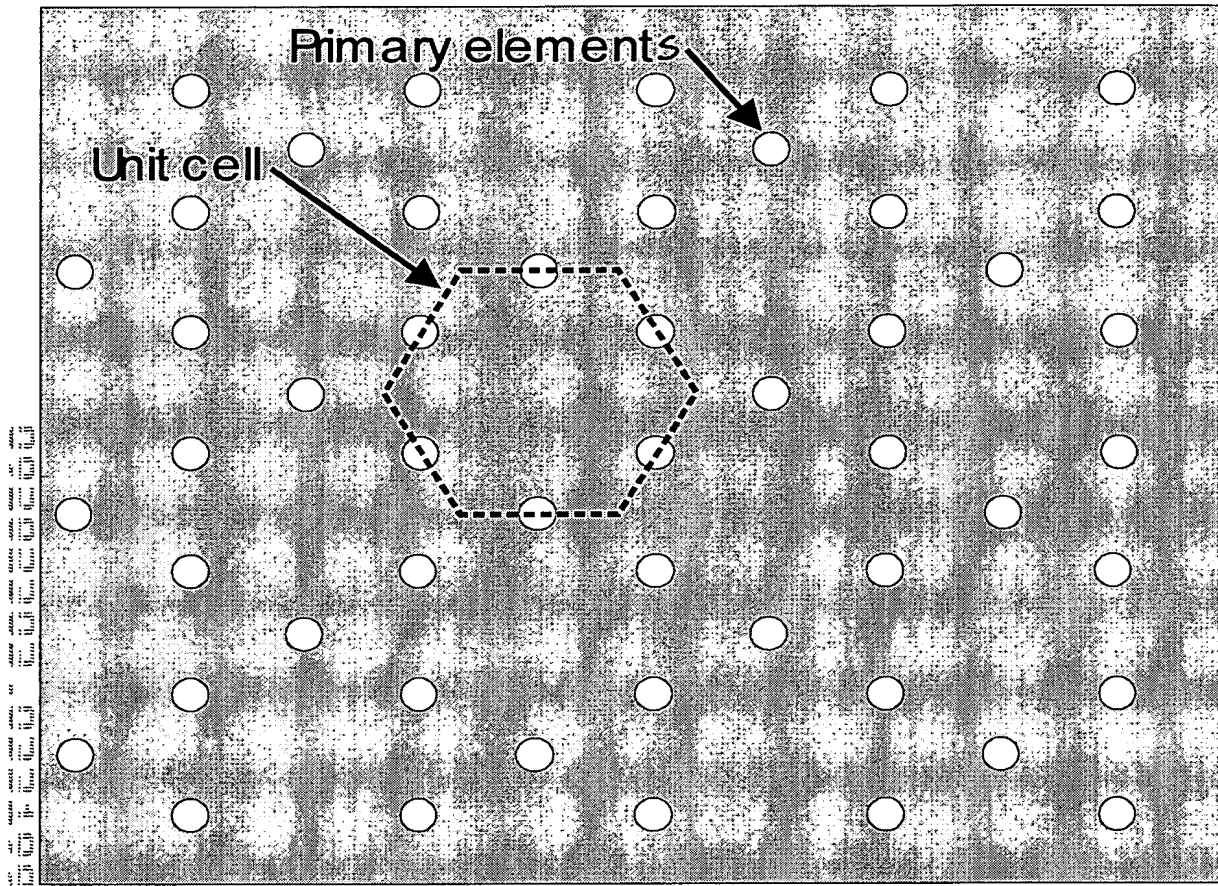


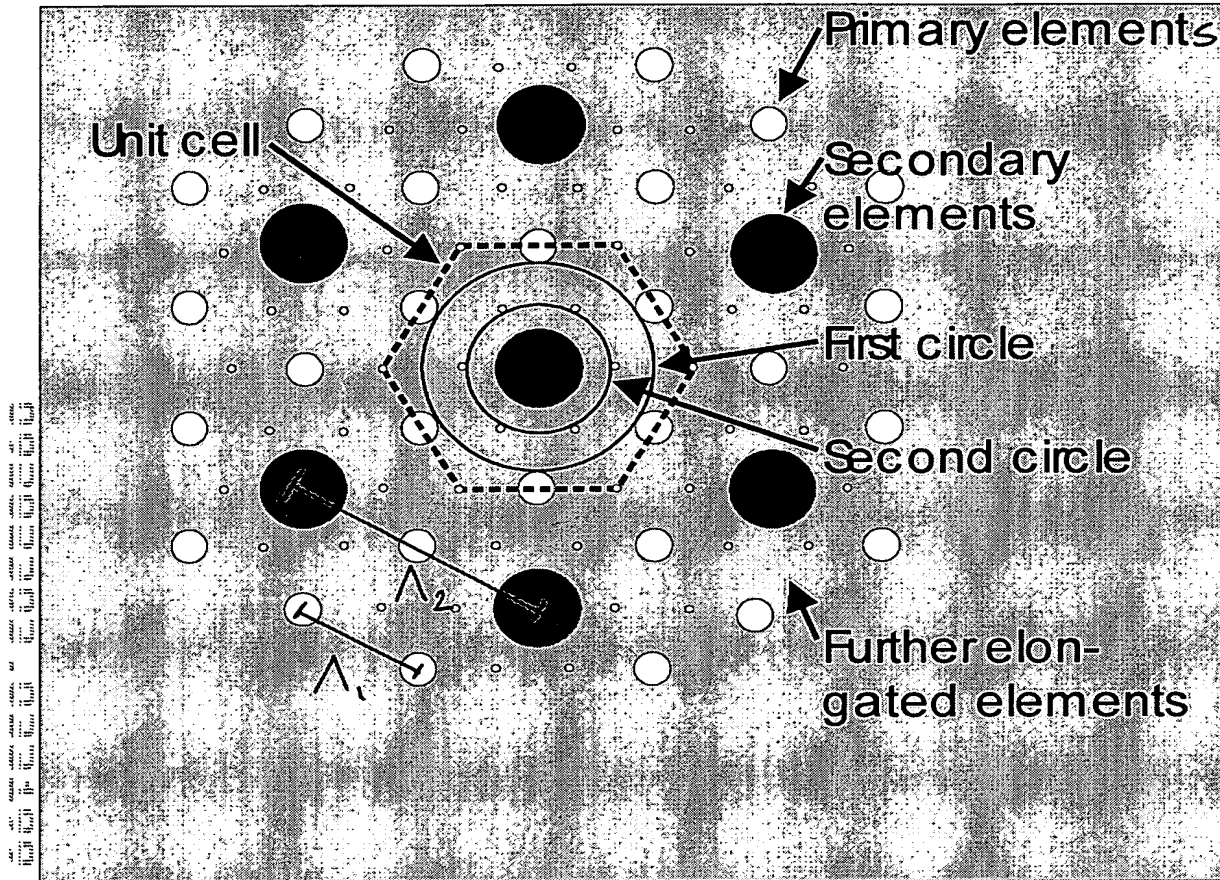
Fig 13

Kagomé lattice



Fis 14

Kagomé lattice



Figs 15

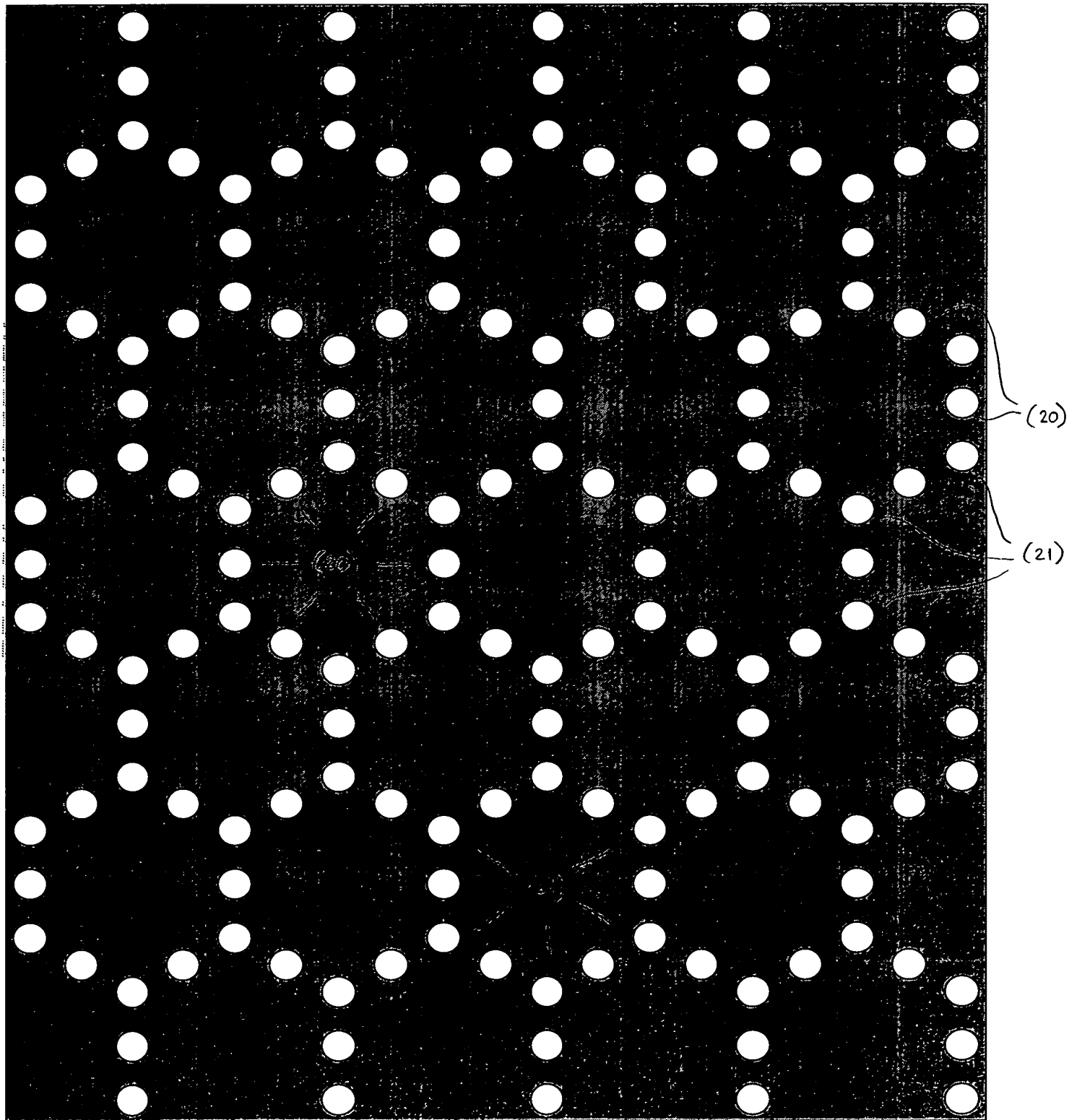


FIG. 16

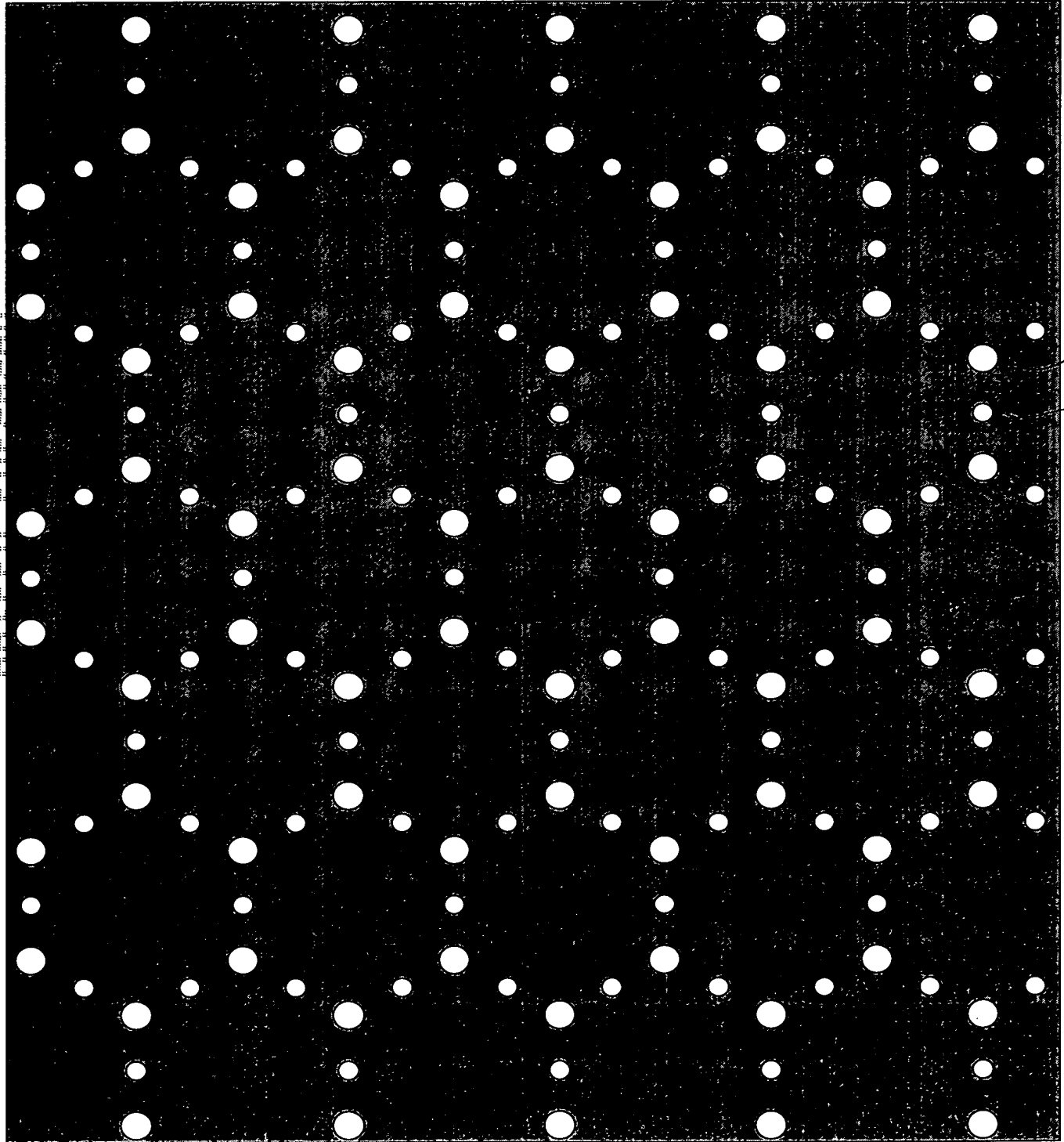


FIG. 17

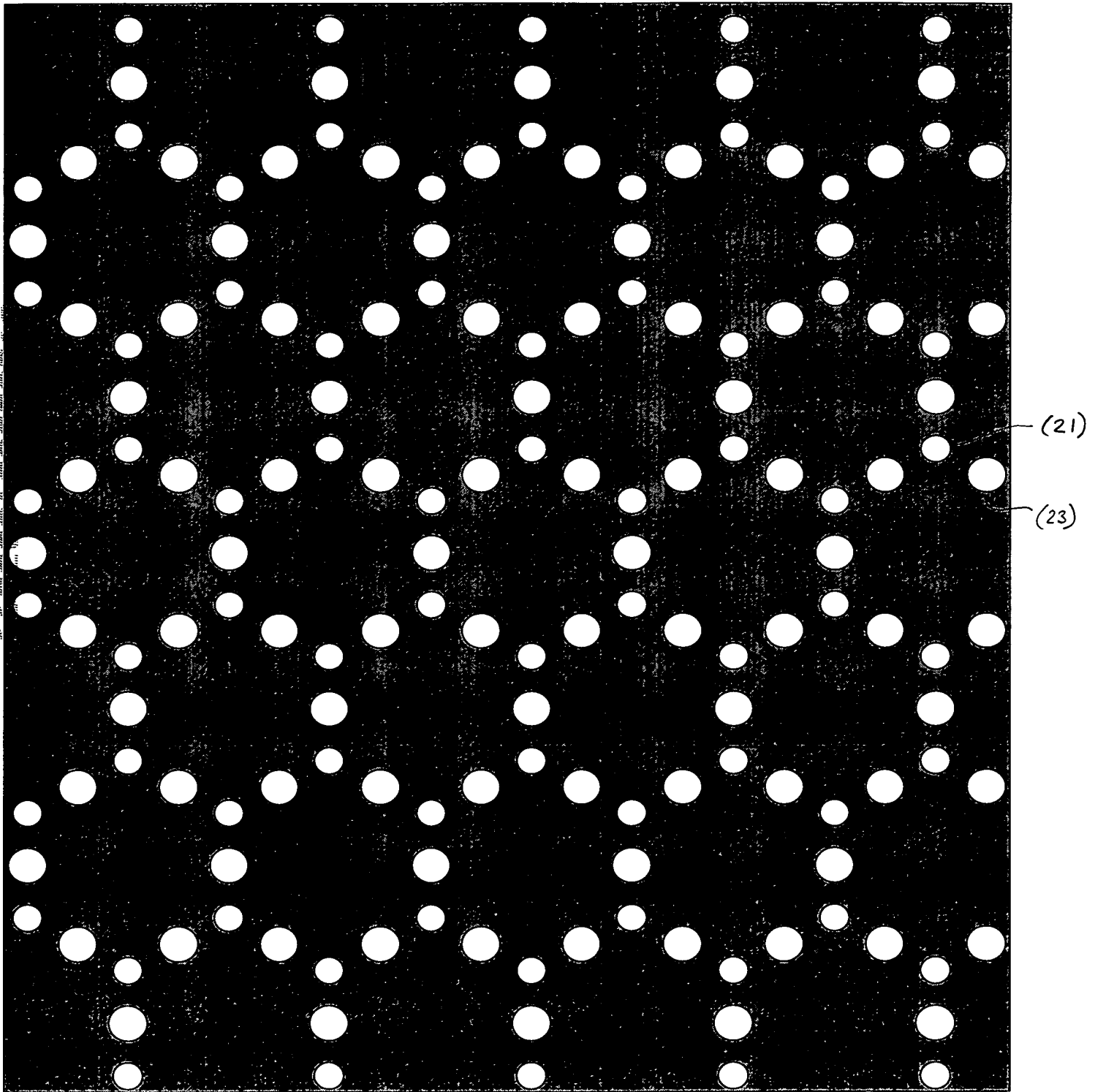


FIG. 18

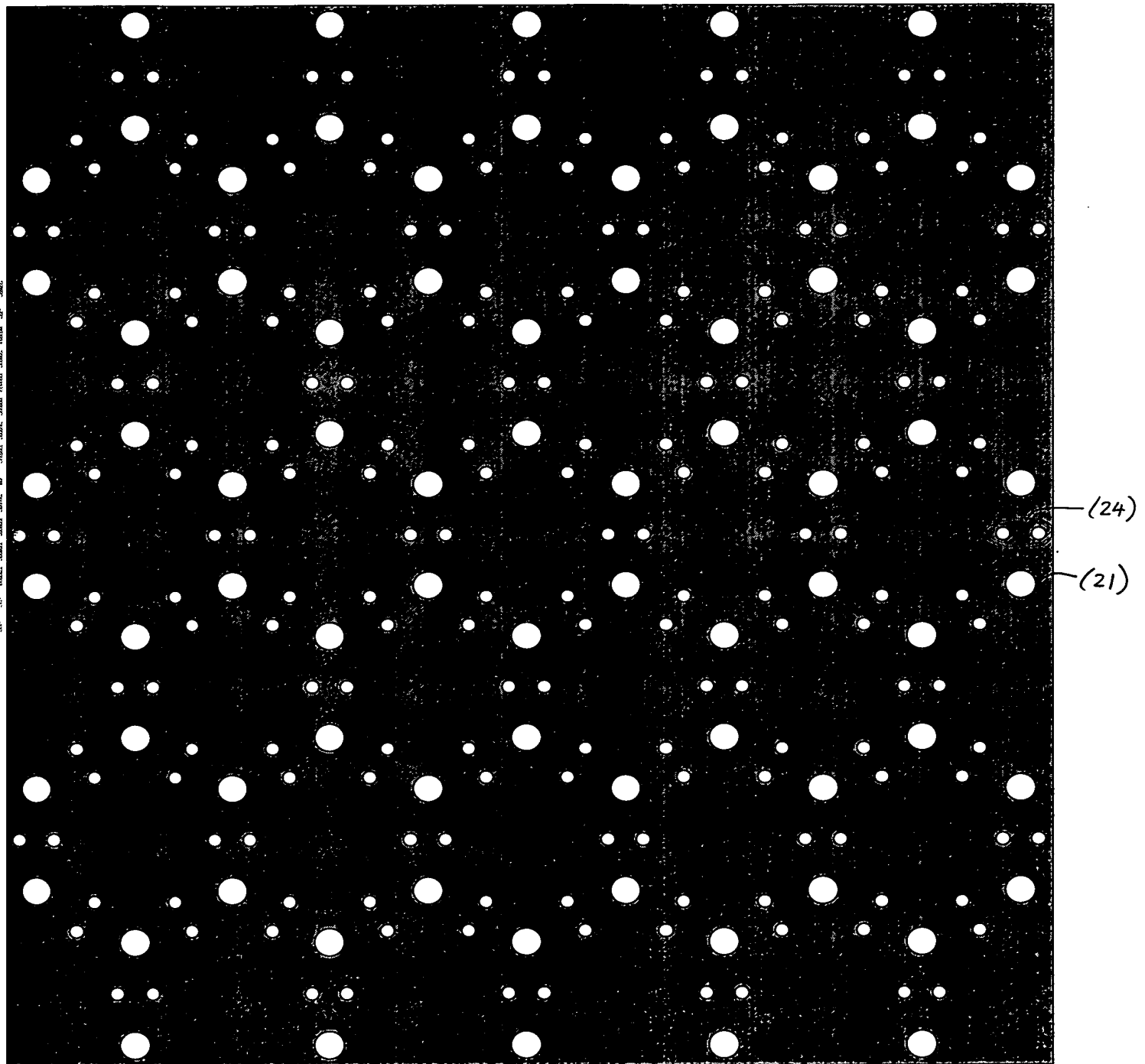


FIG. 19

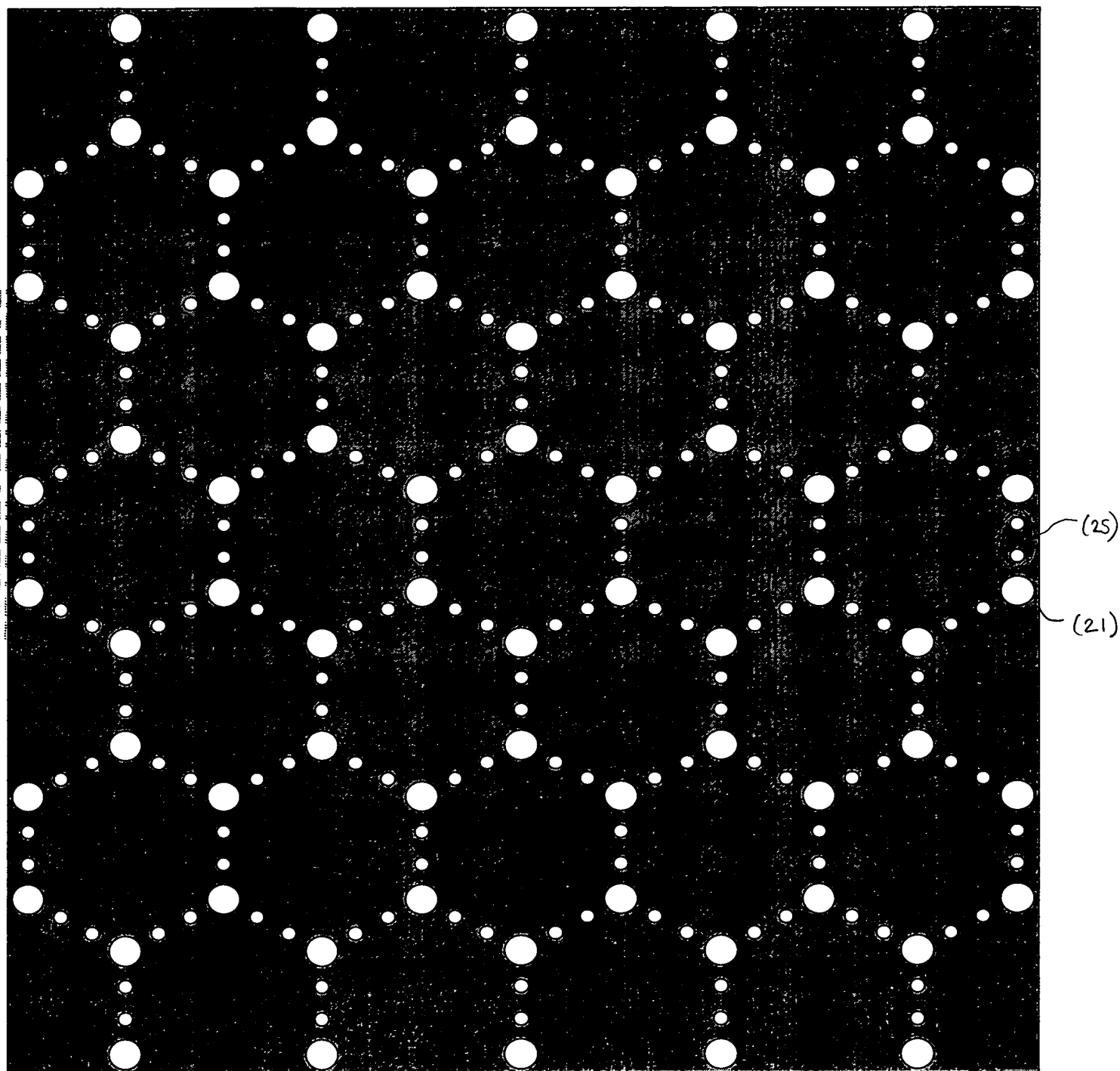


FIG. 20

FIG. 21

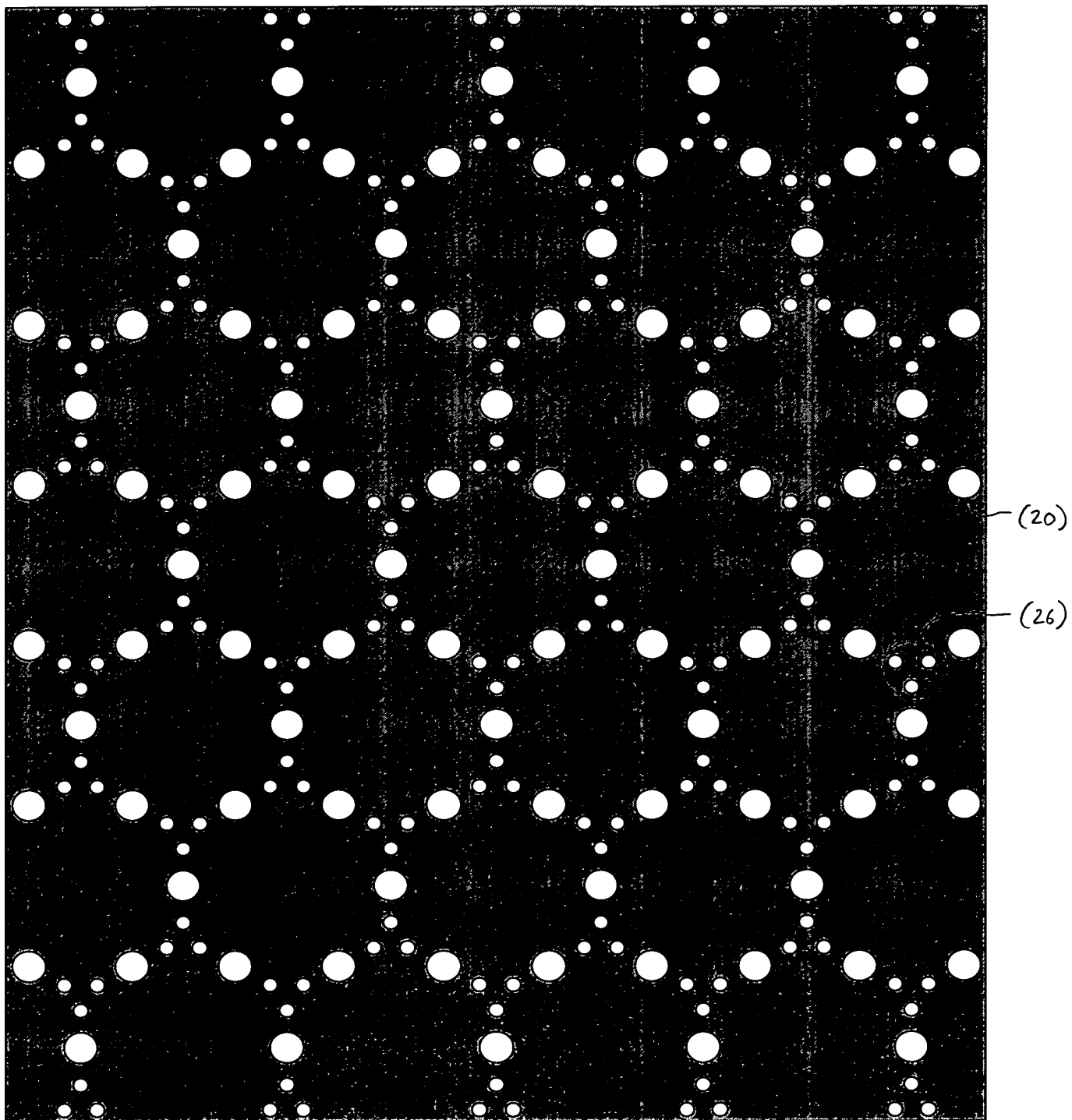
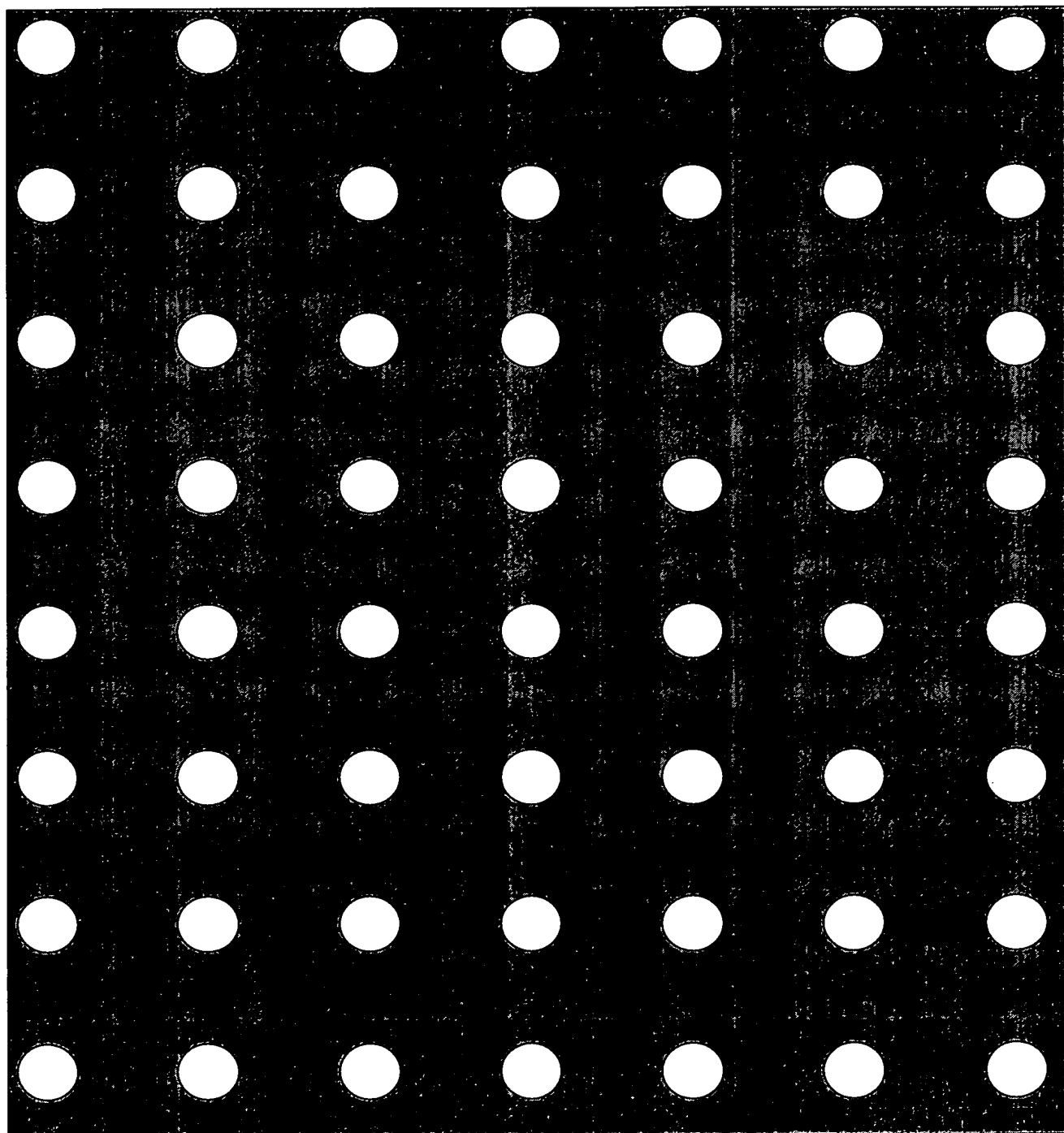


FIG. 21

FIG. 22



(27)

FIG. 22

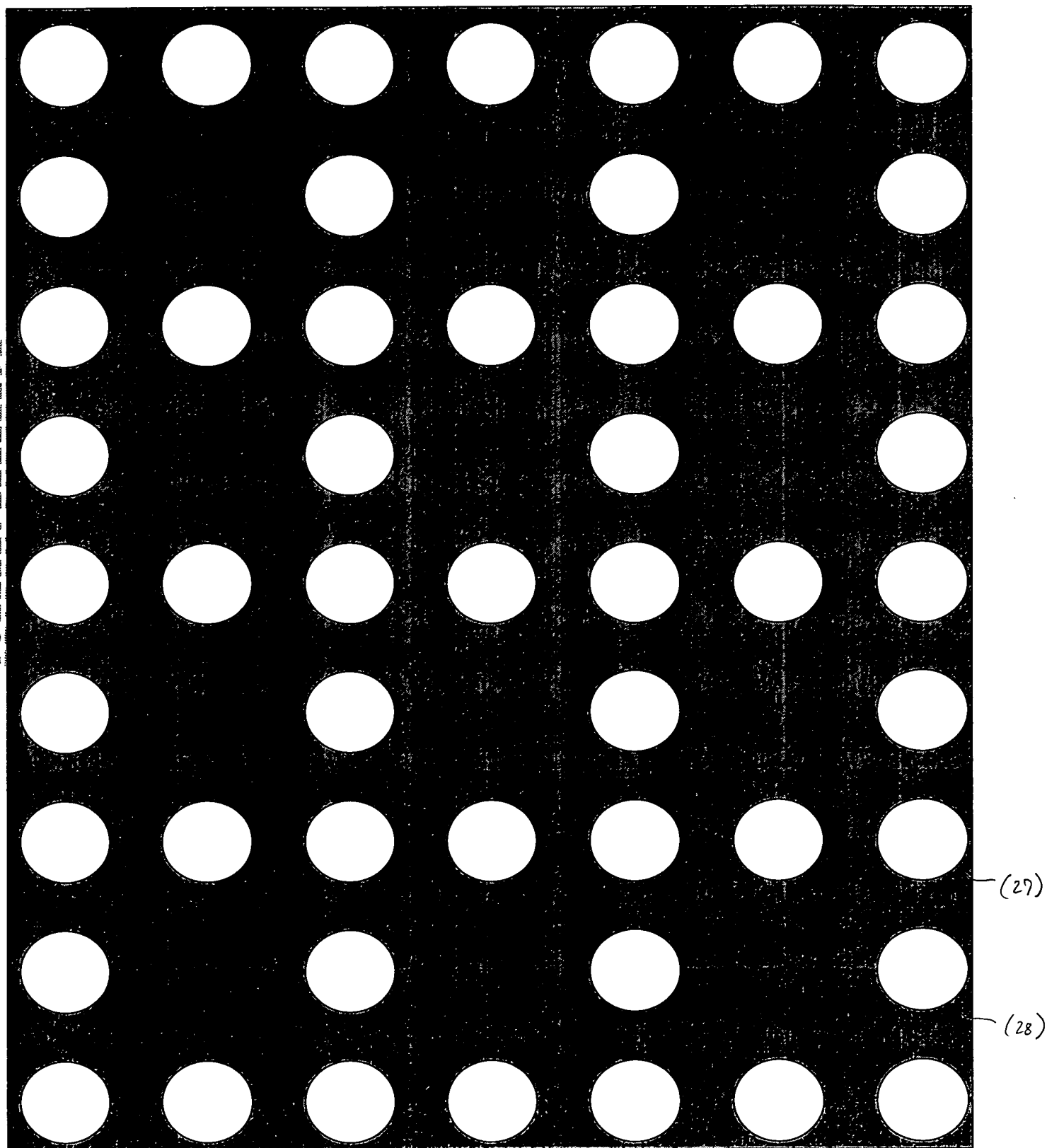


FIG 23

FIG. 24

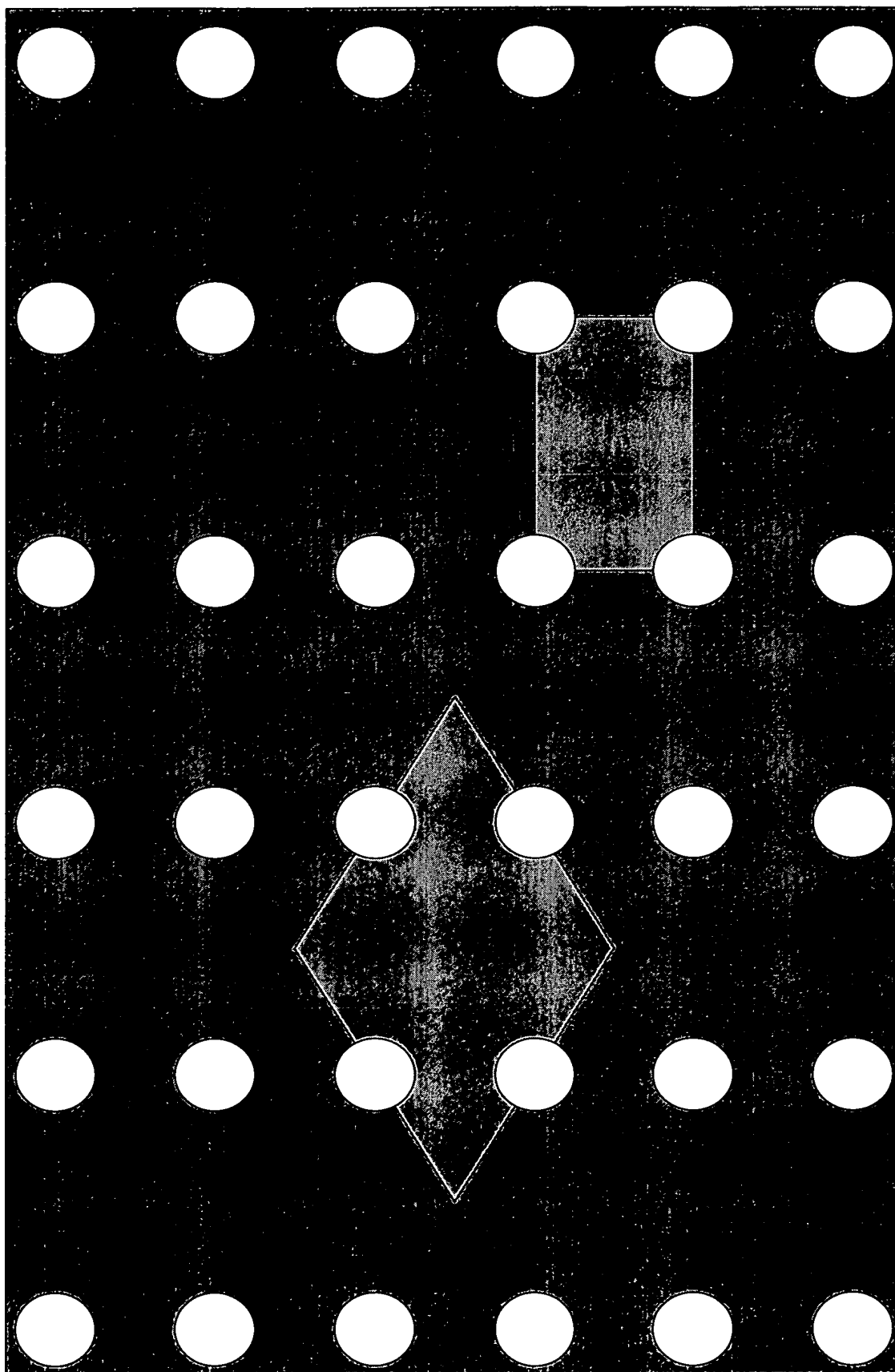


FIG. 24

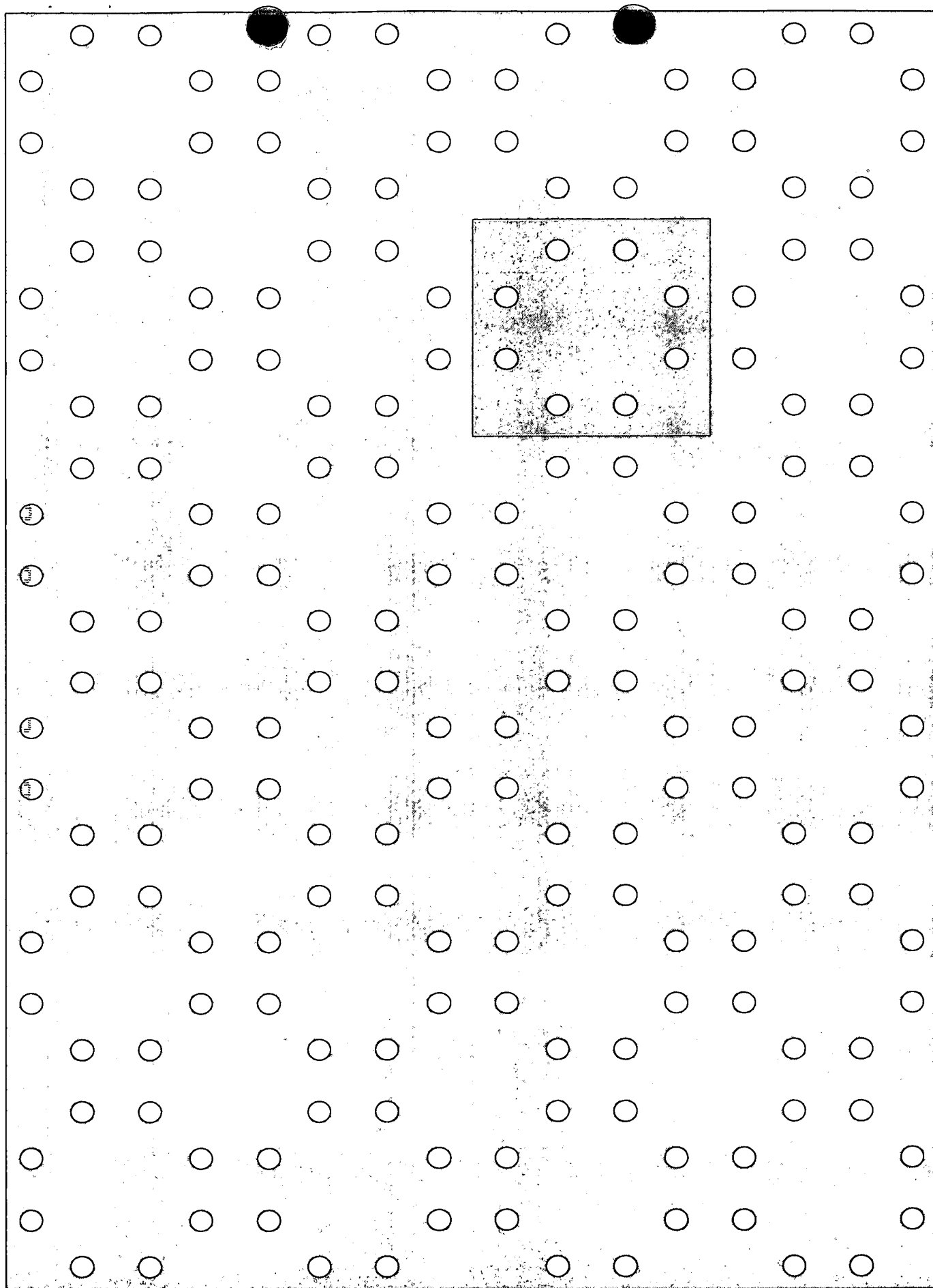


FIG. 25

*1/2 is visible
60° angles symmetric?*

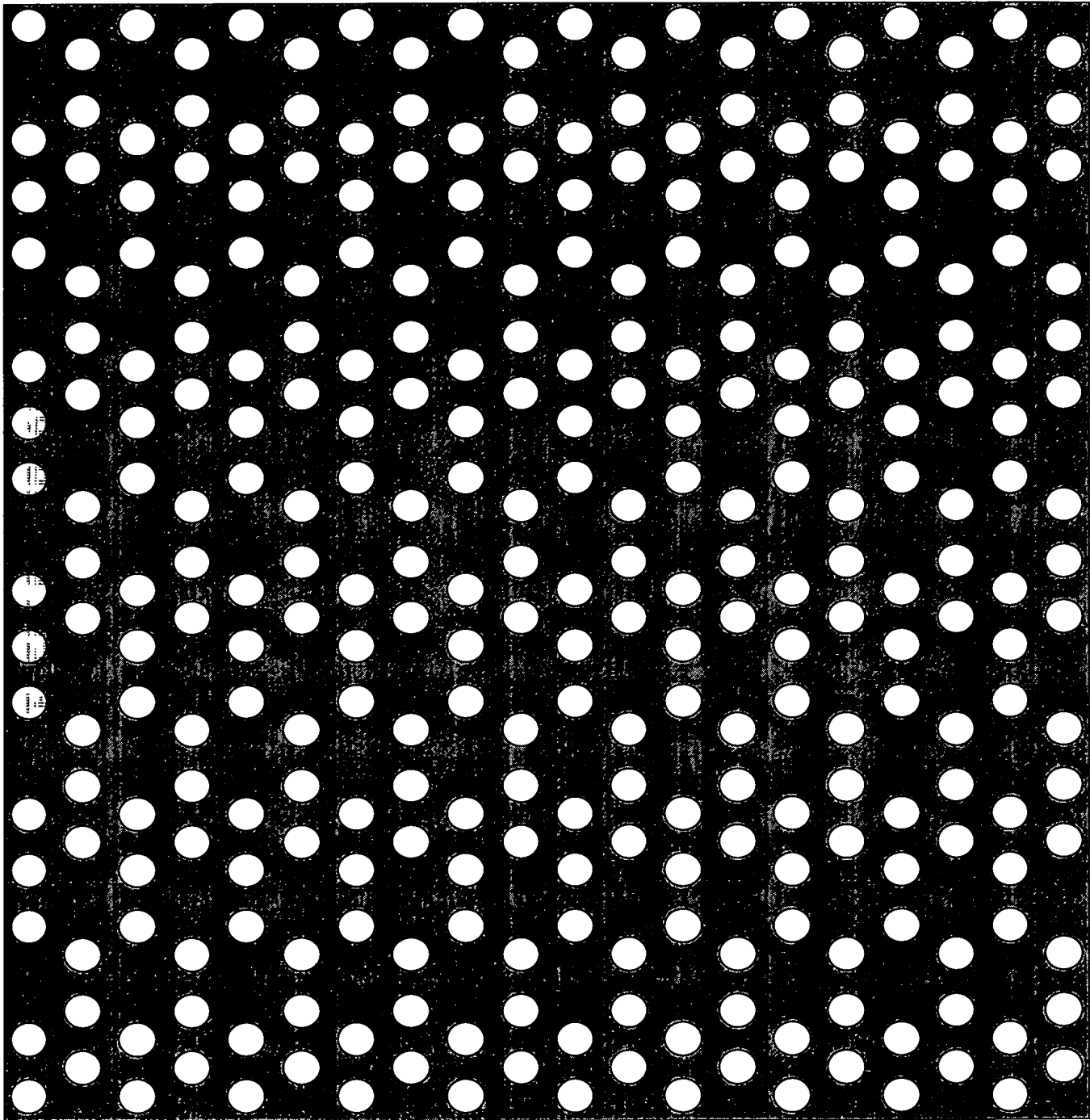


FIG. 26

Er dette periodisk?

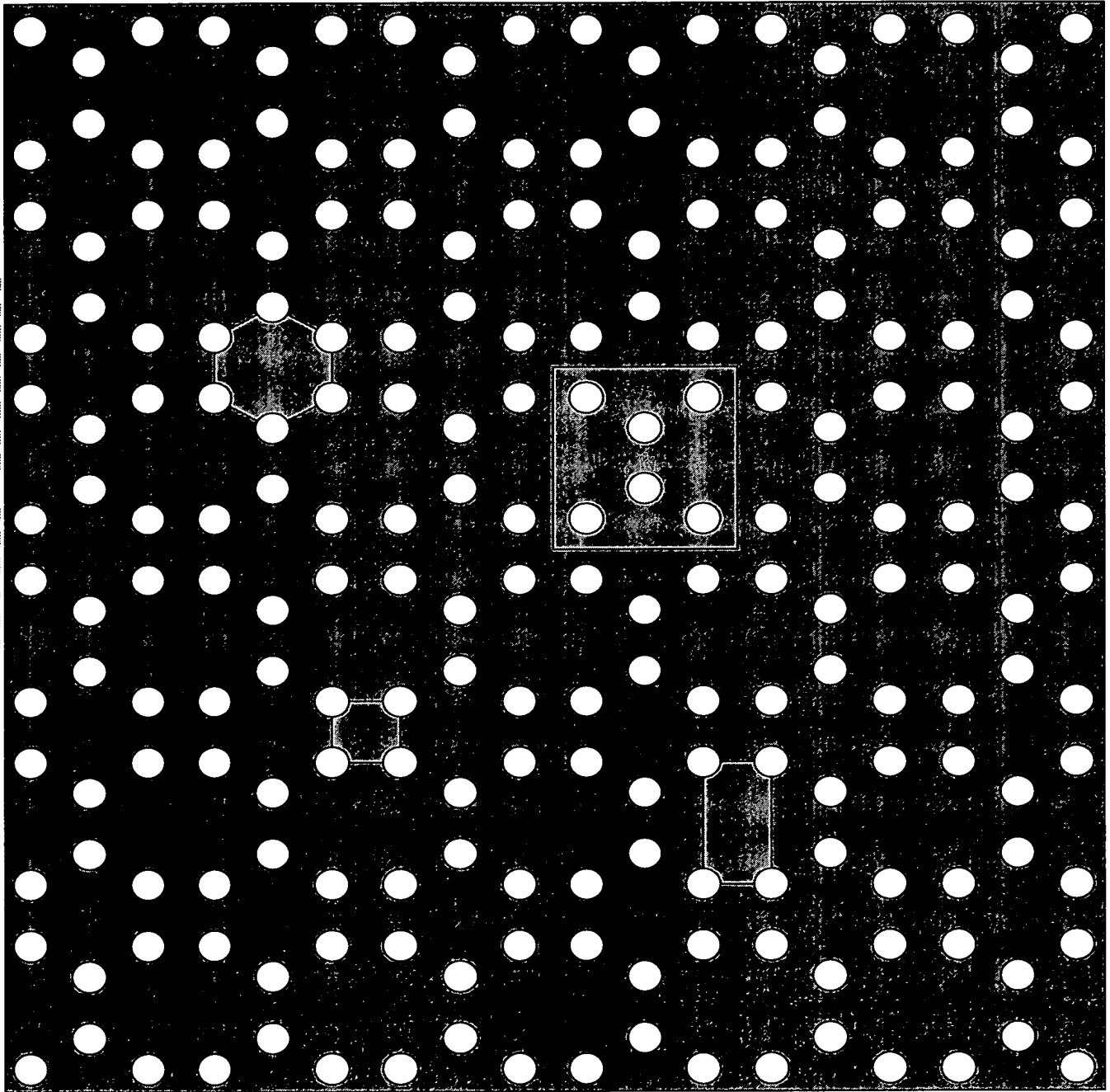


FIG. 27

FIG. 28

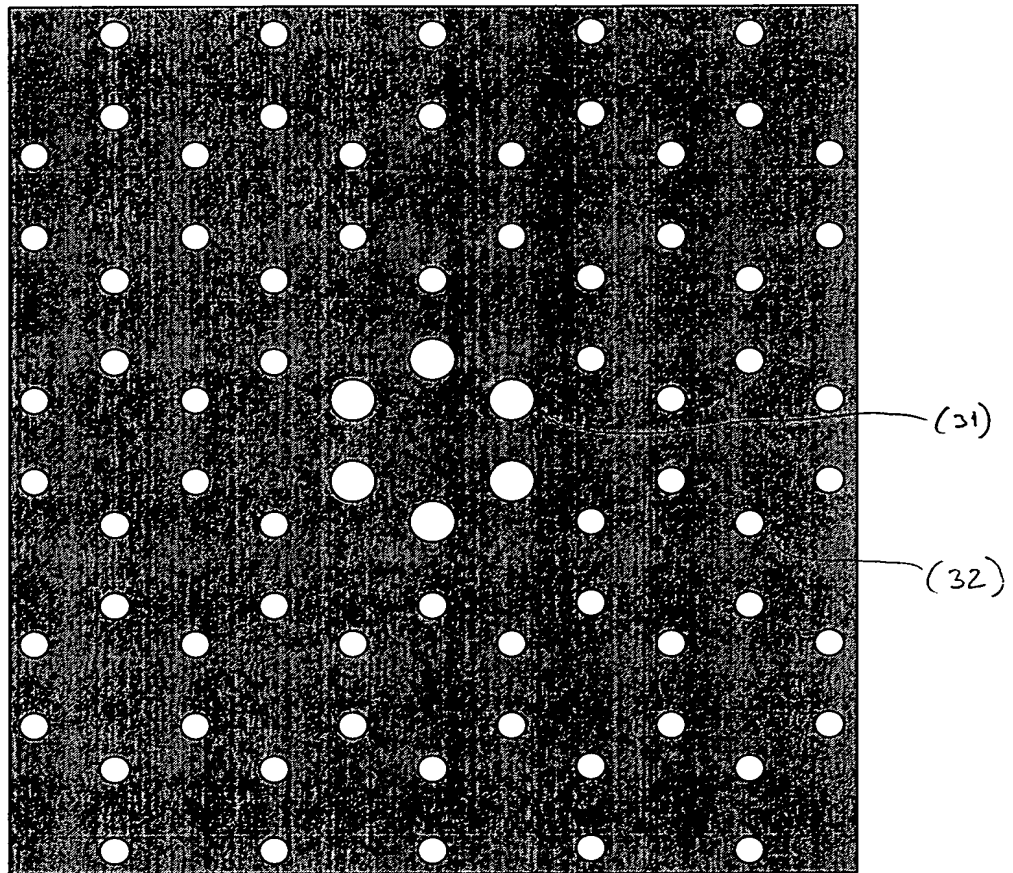


FIG. 29

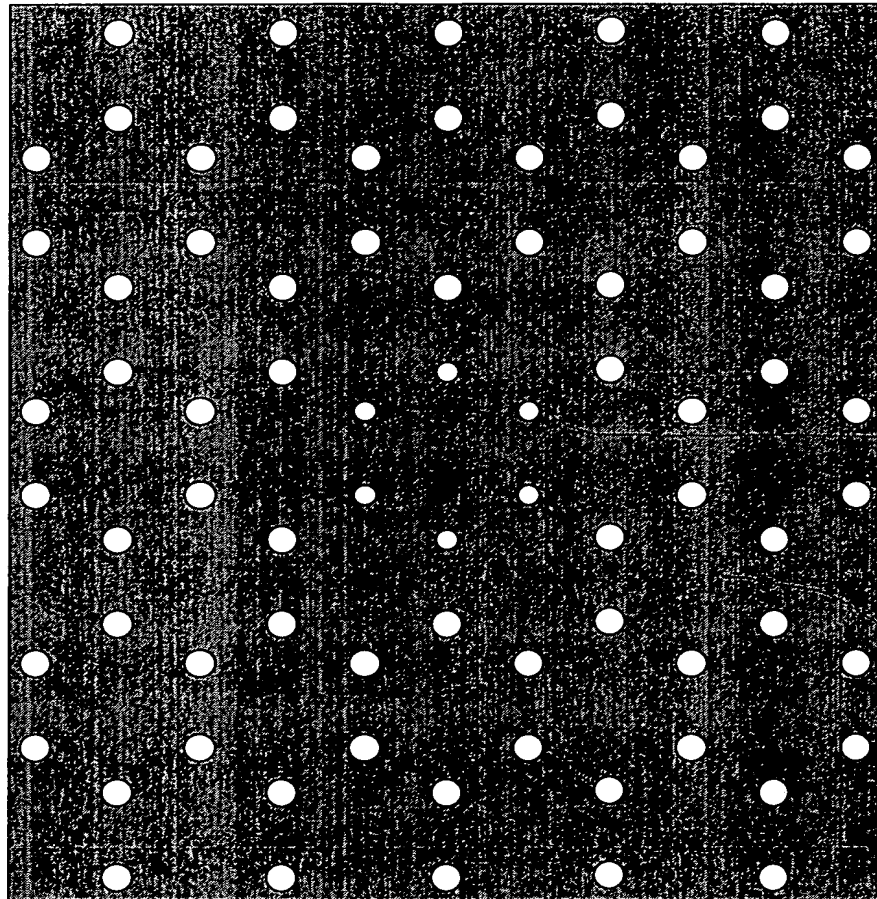


FIG. 29

FIG. 30 is a perspective view of a perforated sheet 30. The sheet 30 is shown in a perspective view, and it is a rectangular sheet with a grid of circular holes. The holes are arranged in a regular pattern, and the sheet is shown in a perspective view, indicating its thickness. The sheet is labeled with the number 30.

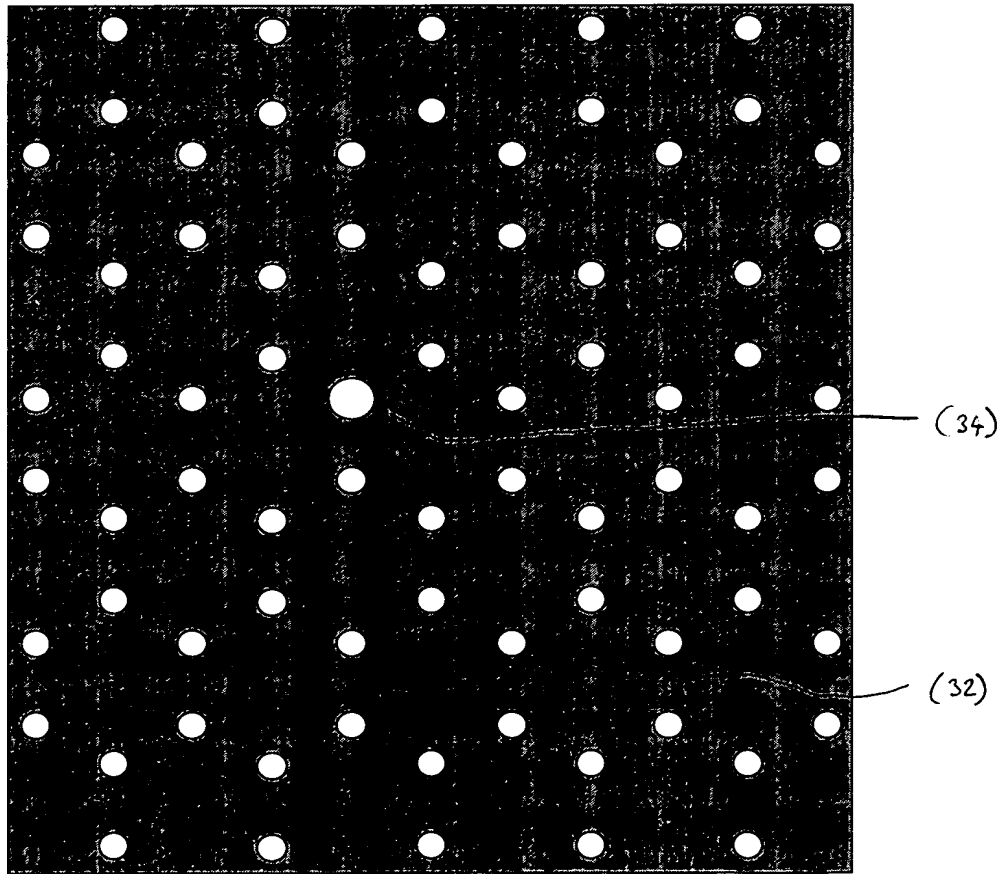


FIG. 30

FIG. 31

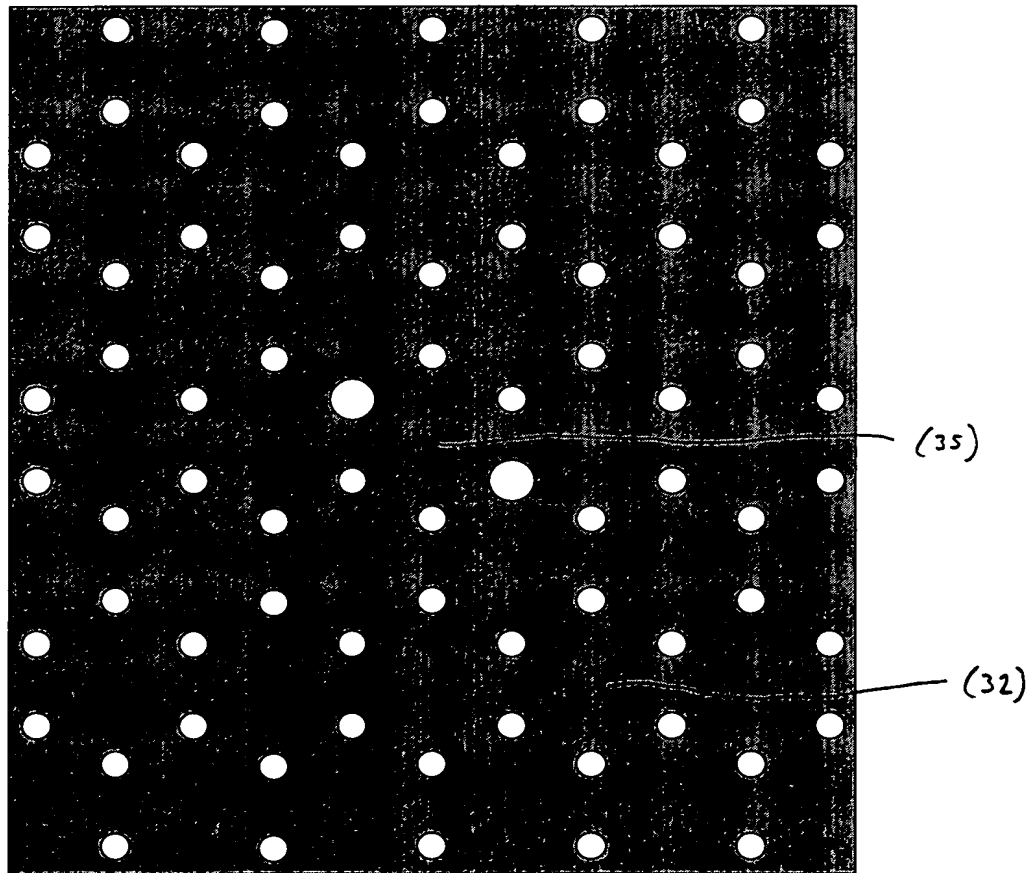


FIG. 31

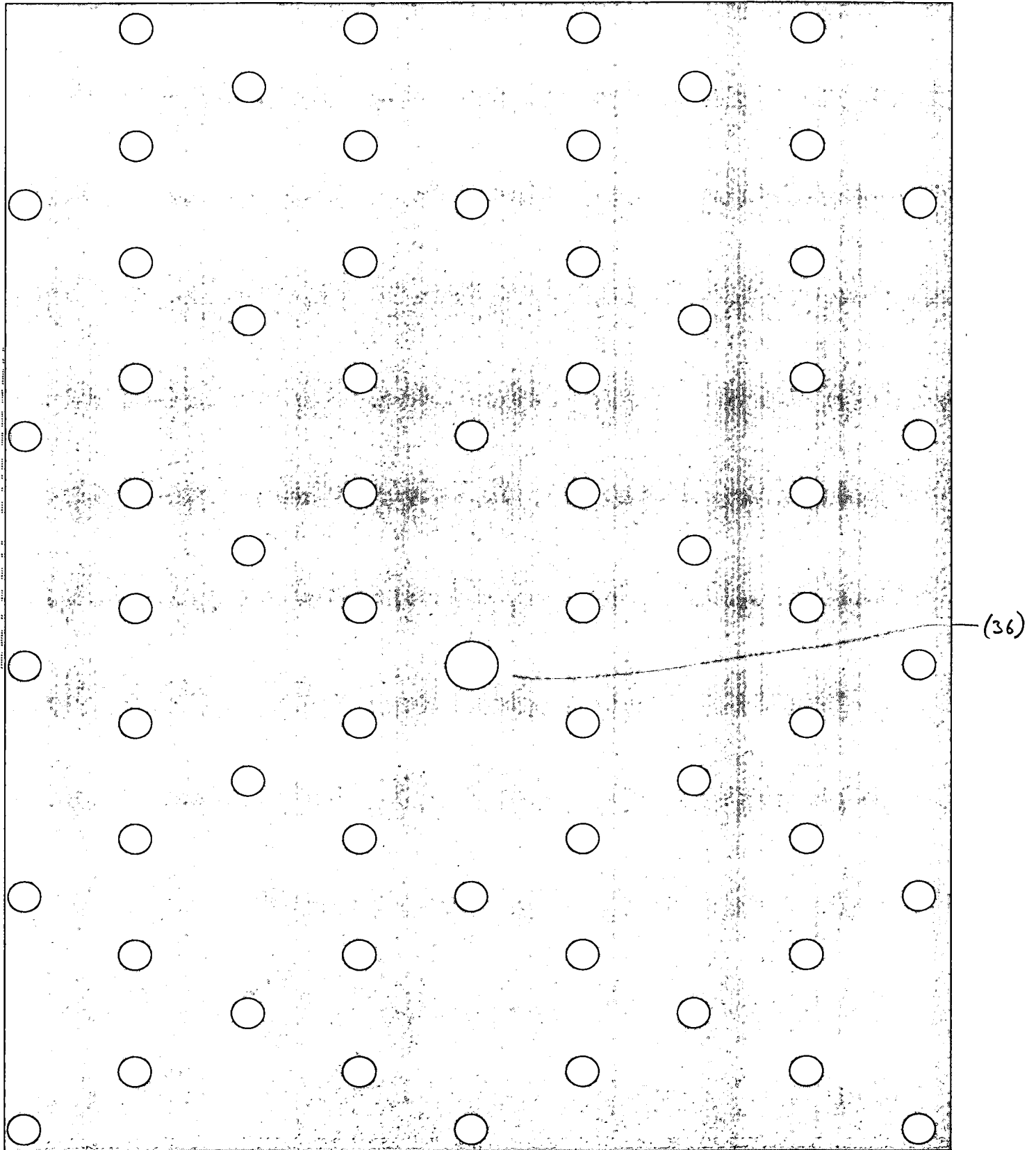


FIG. 32

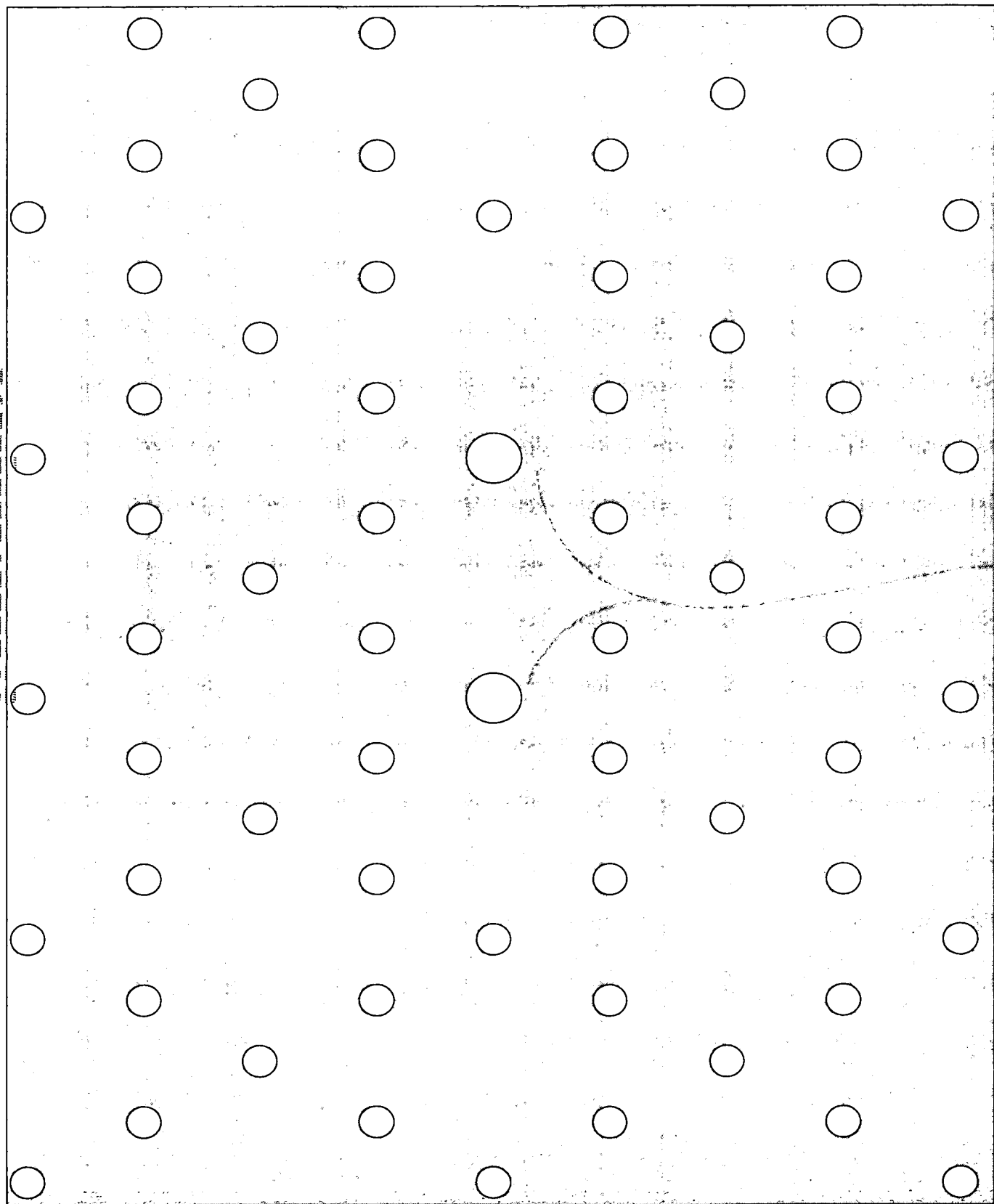
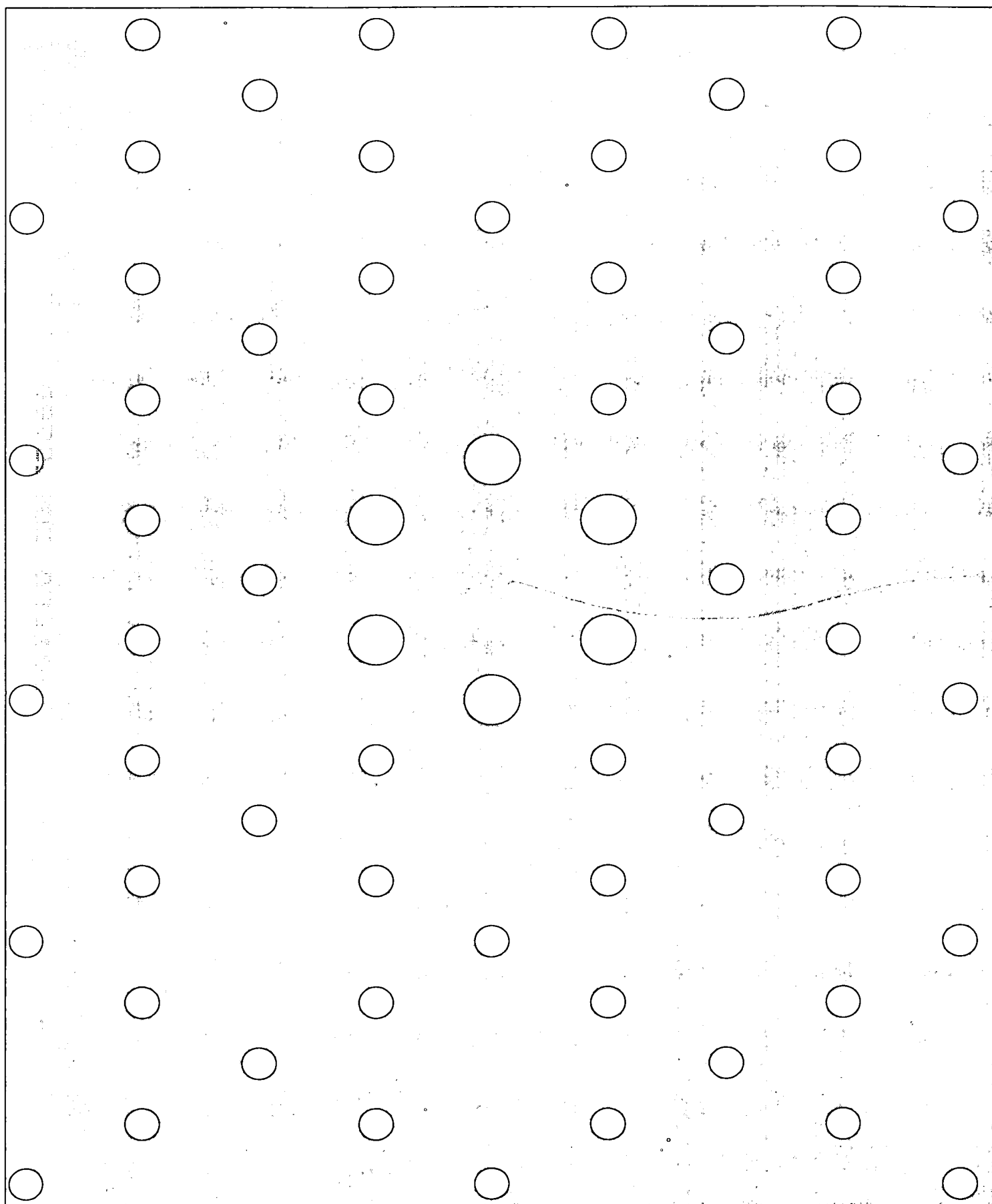


FIG. 33



(38)

FIG. 34

TK

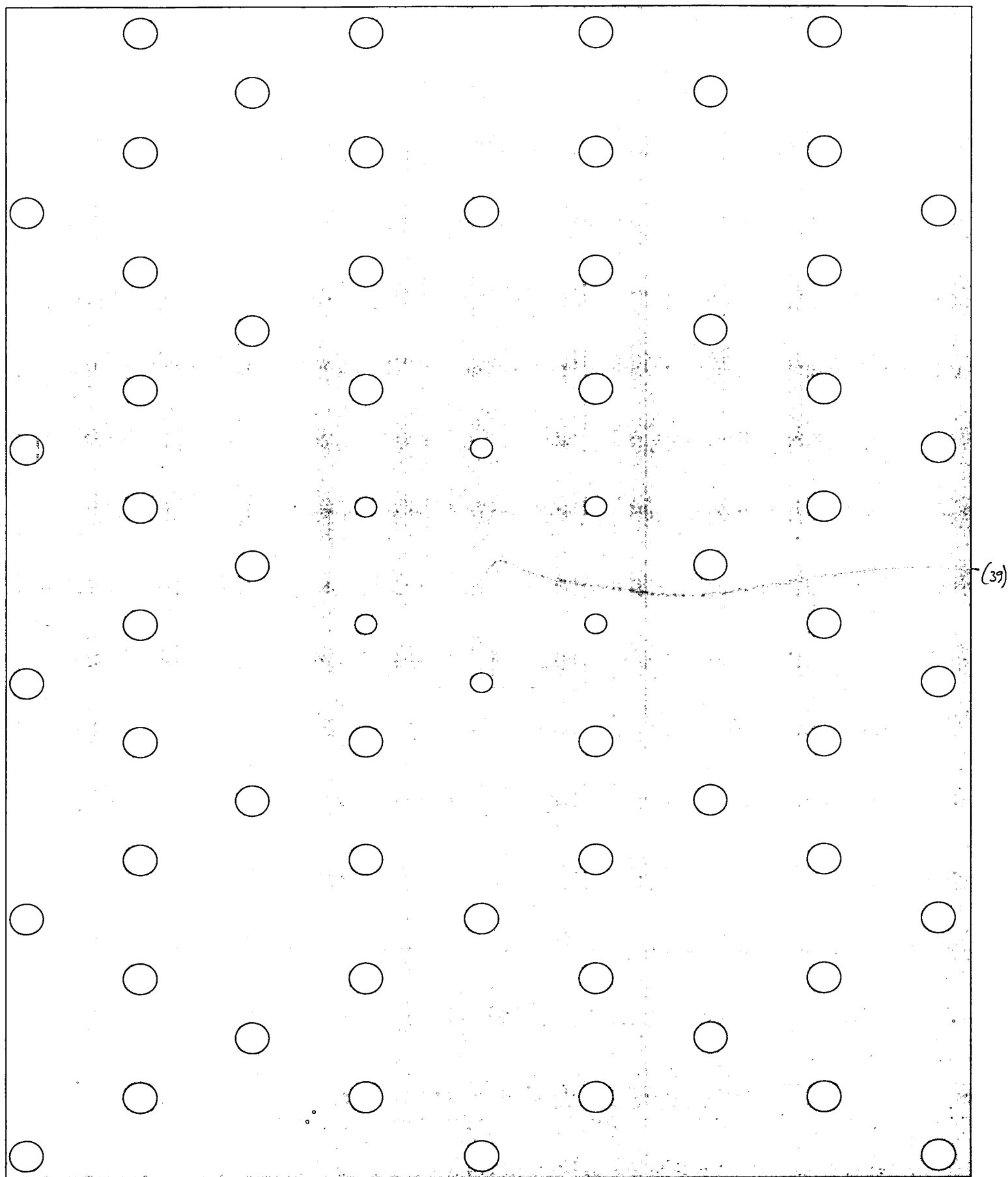


FIG. 35

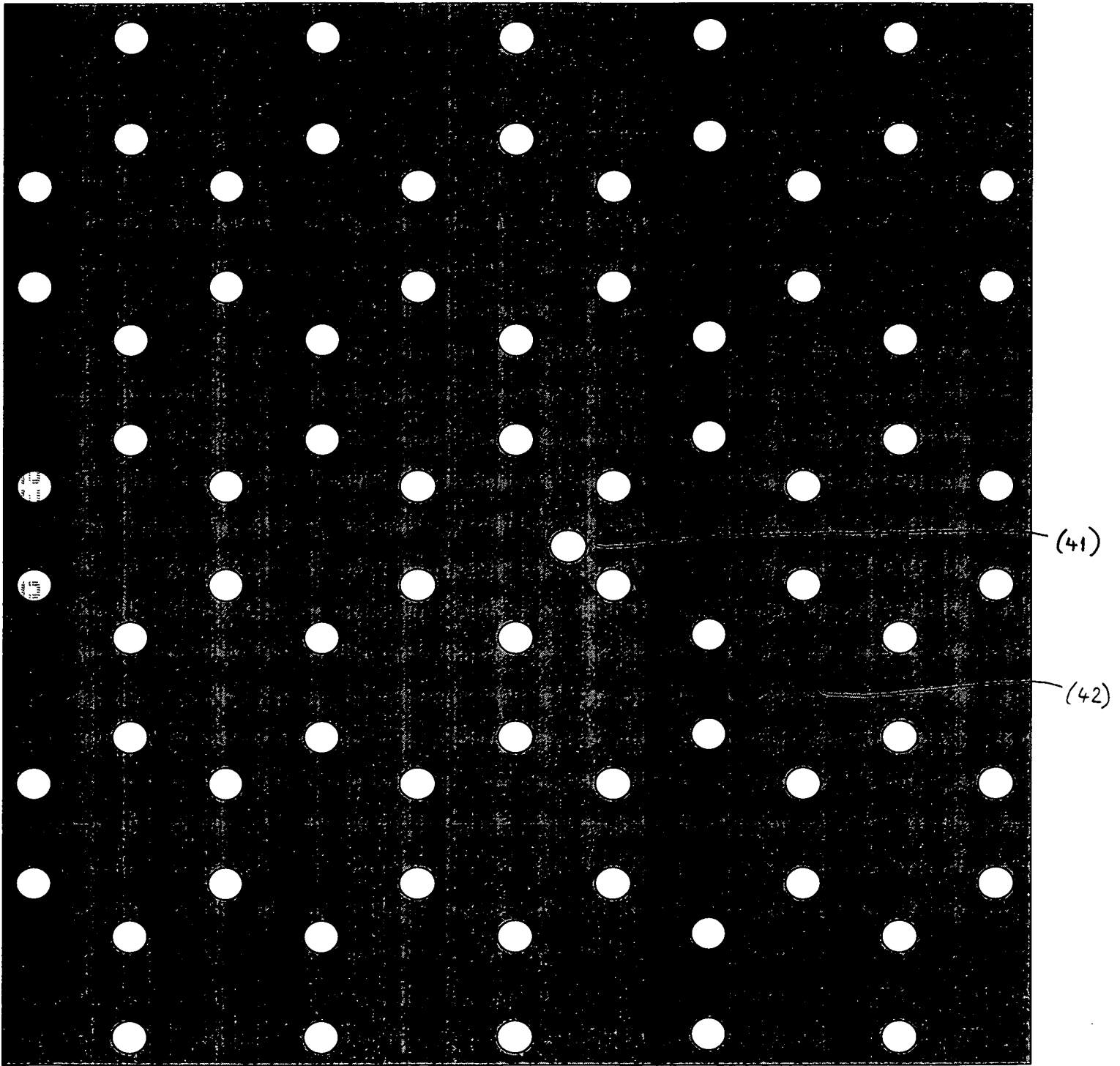


FIG. 36

FIG. 32

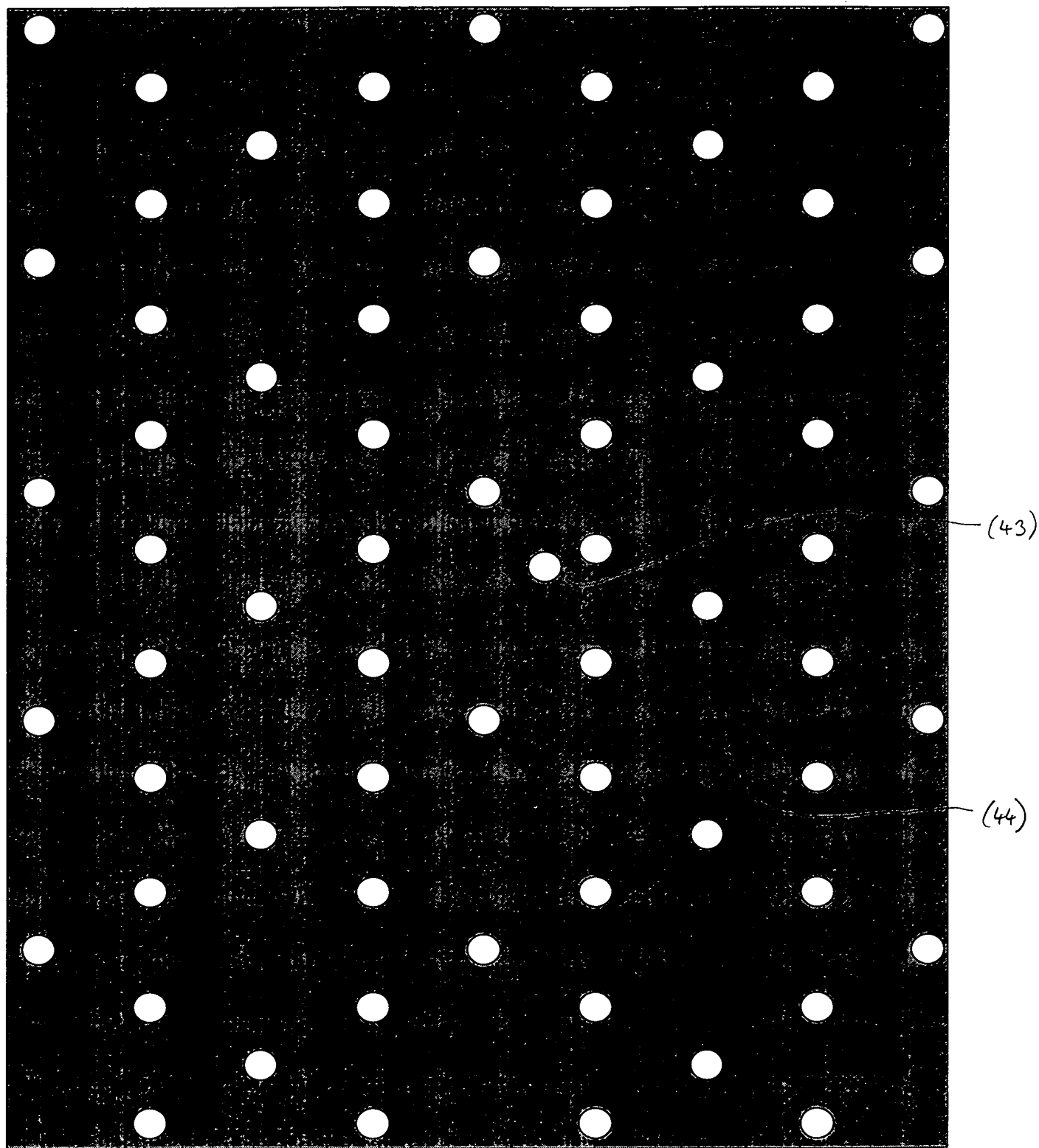
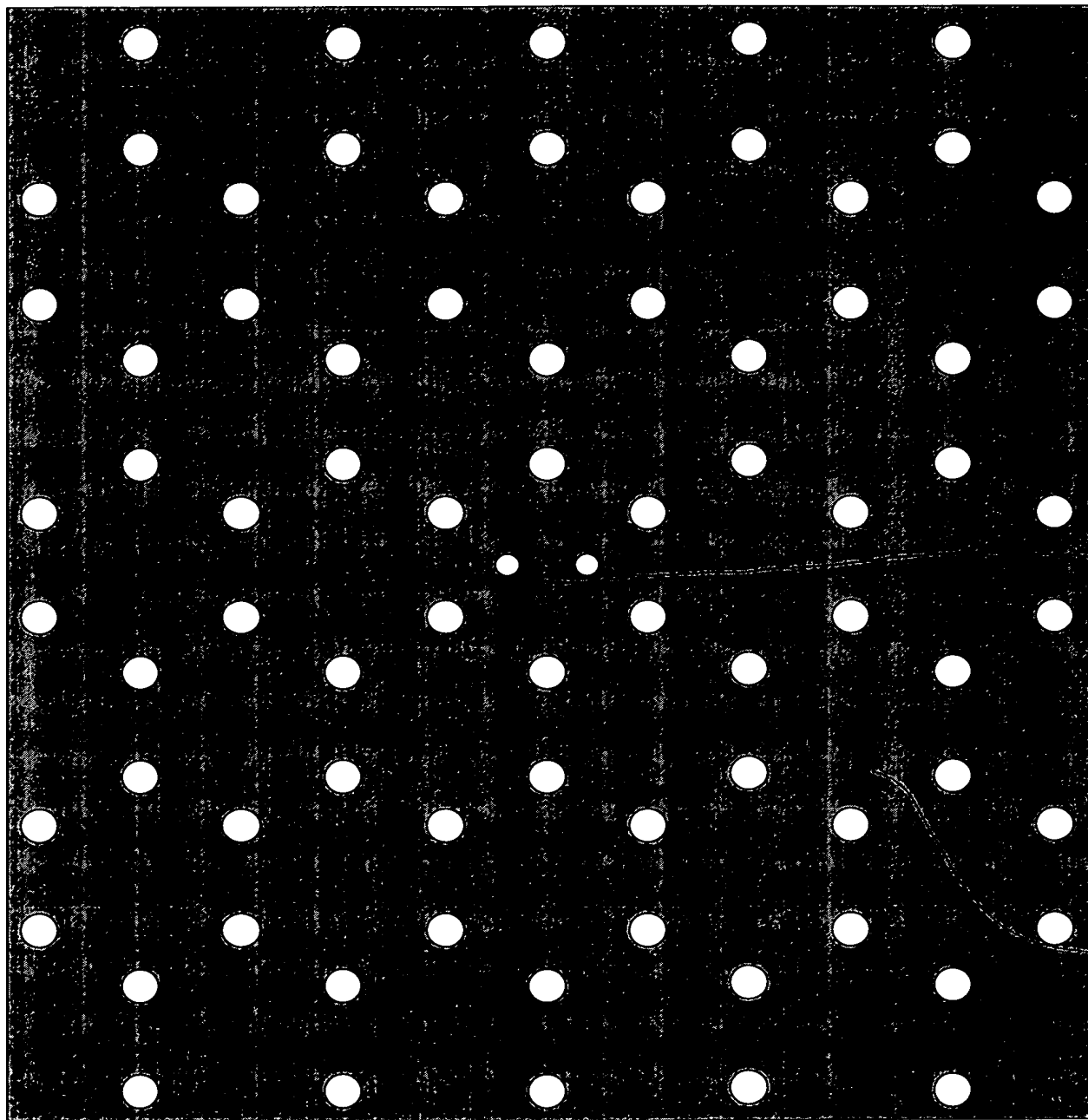


FIG. 32

FIG. 38 is a perspective view of a perforated sheet 40, showing a grid of circular holes 42. The sheet 40 is shown in a perspective view, and the holes 42 are arranged in a regular grid pattern. The sheet 40 is shown in a perspective view, and the holes 42 are arranged in a regular grid pattern.



(45)

(42)

FIG. 38

FIG. 39 is a perspective view of a perforated sheet 40, showing a grid of circular holes 42. The sheet 40 is shown in a perspective view, and the holes 42 are arranged in a regular grid pattern. The sheet 40 is shown in a perspective view, and the holes 42 are arranged in a regular grid pattern.

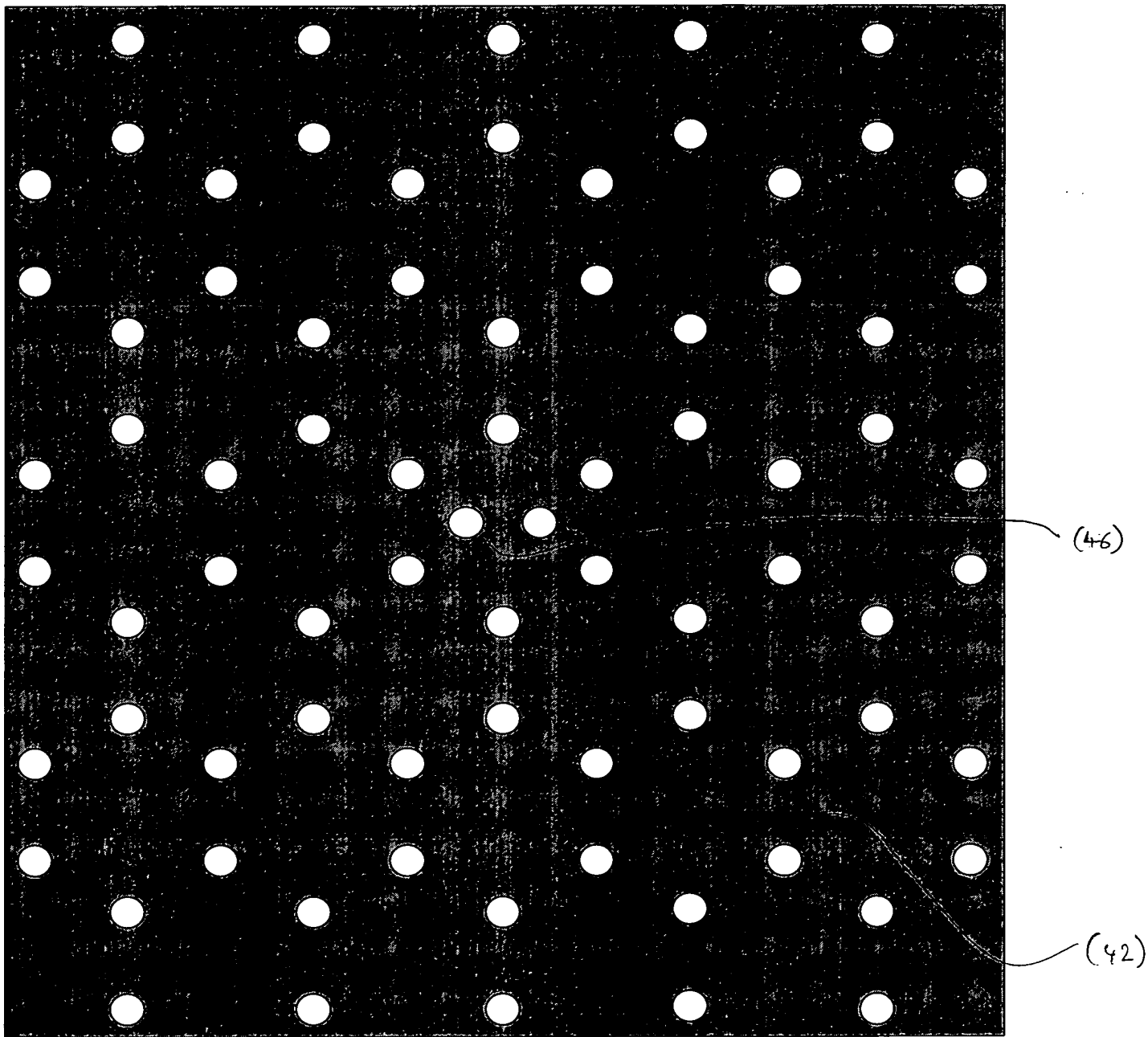


FIG. 39

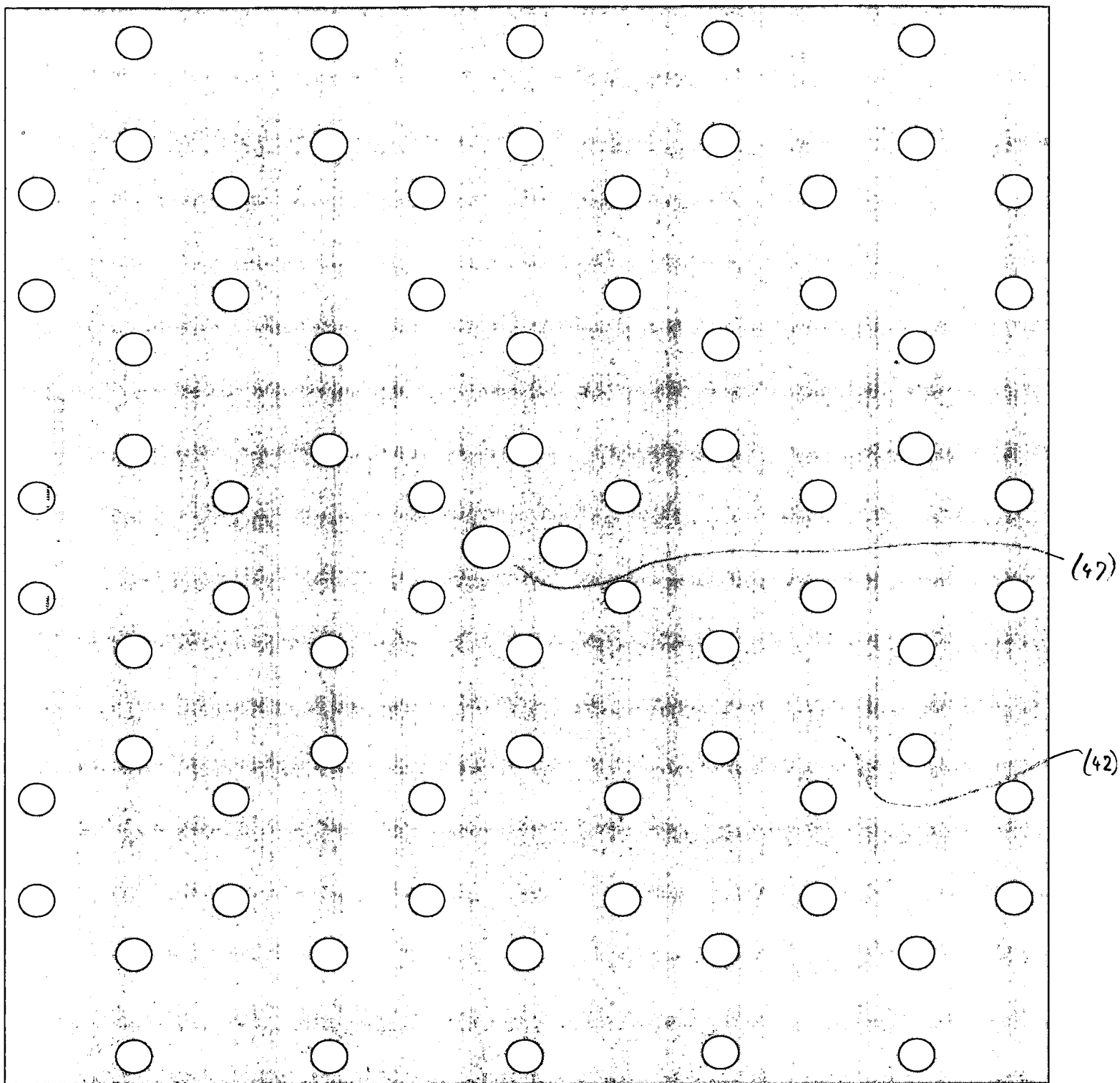


FIG. 40

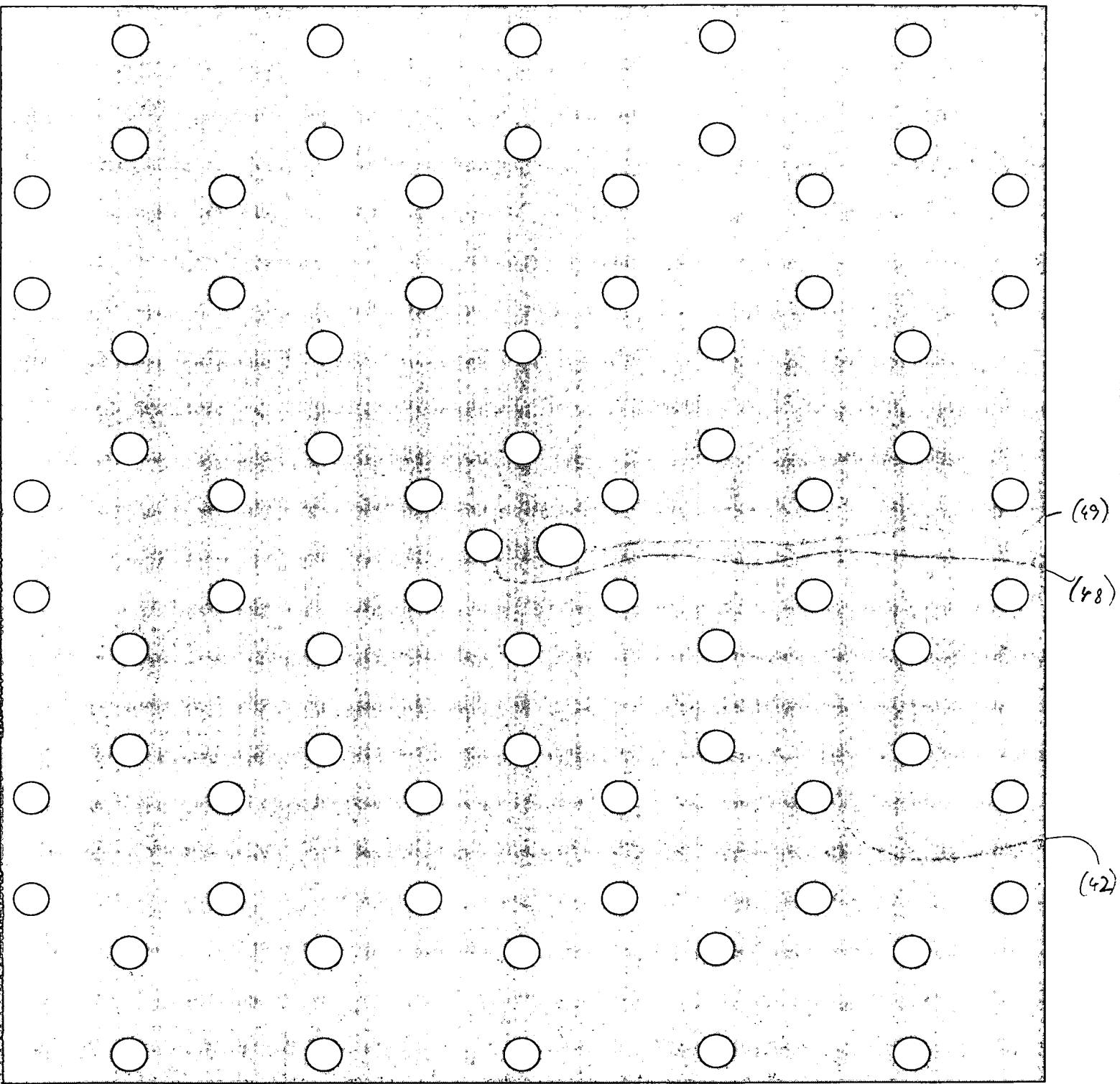


FIG. 41

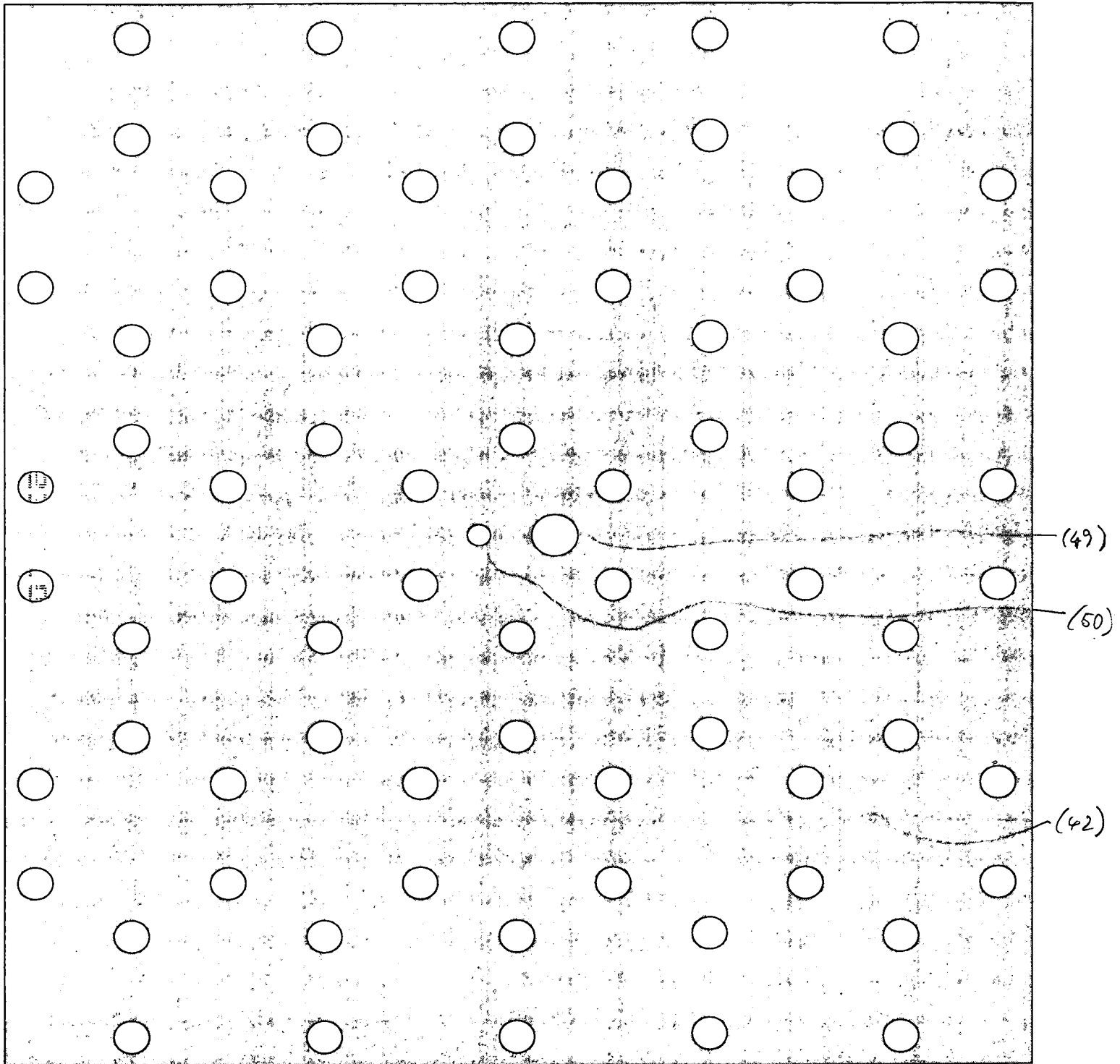


FIG. 42

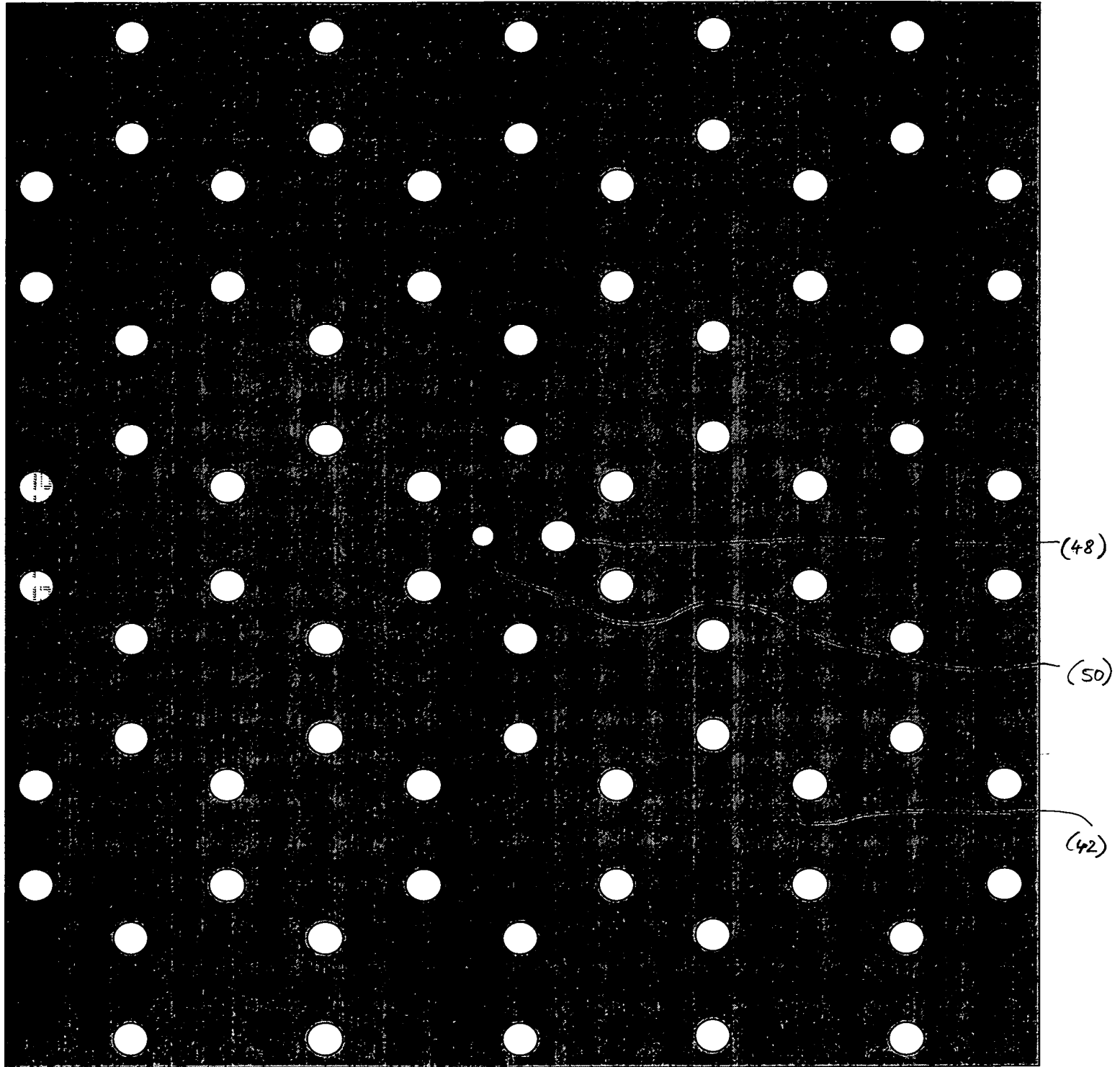


FIG. 43

FIG. 44

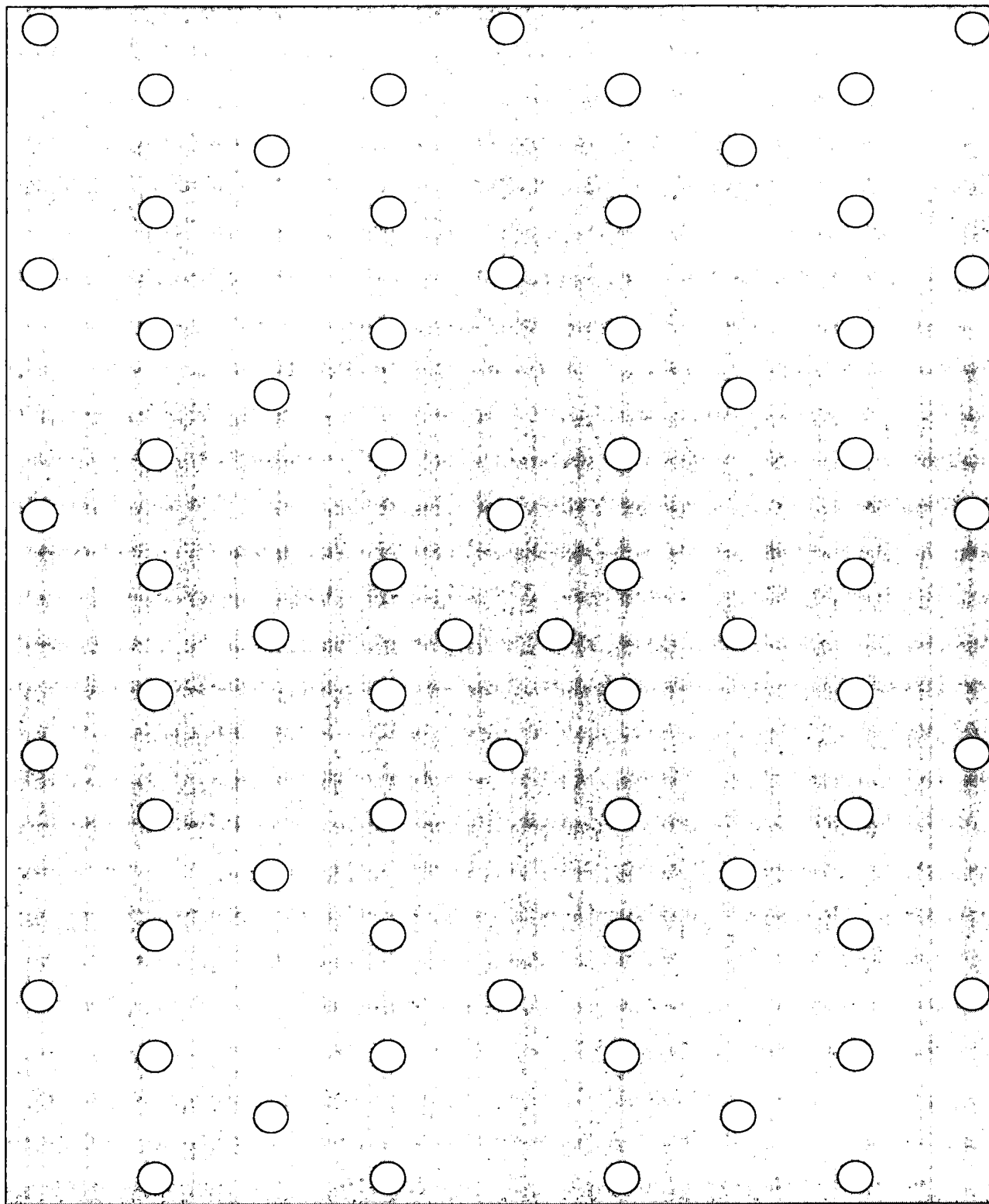


FIG. 44

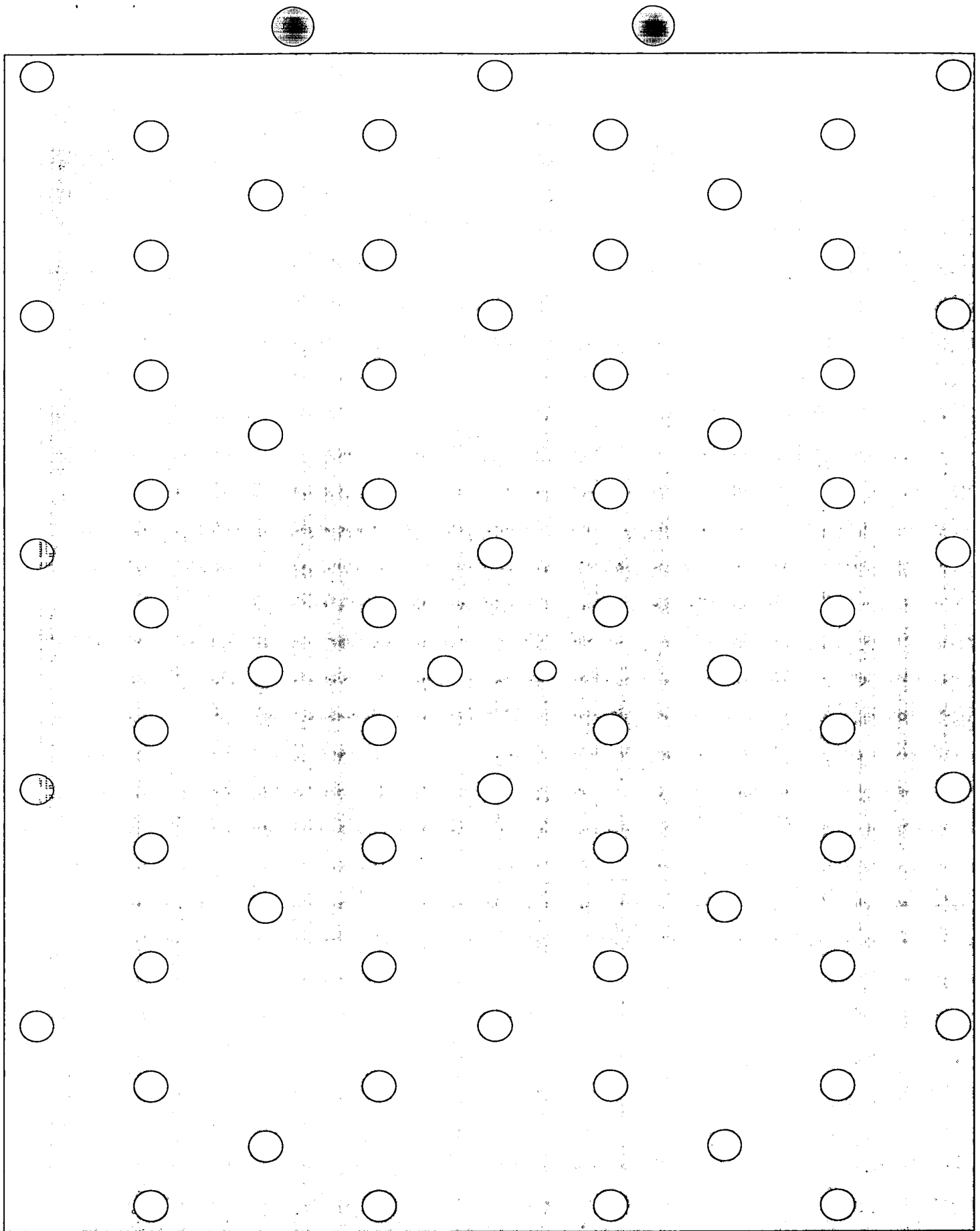


FIG. 45

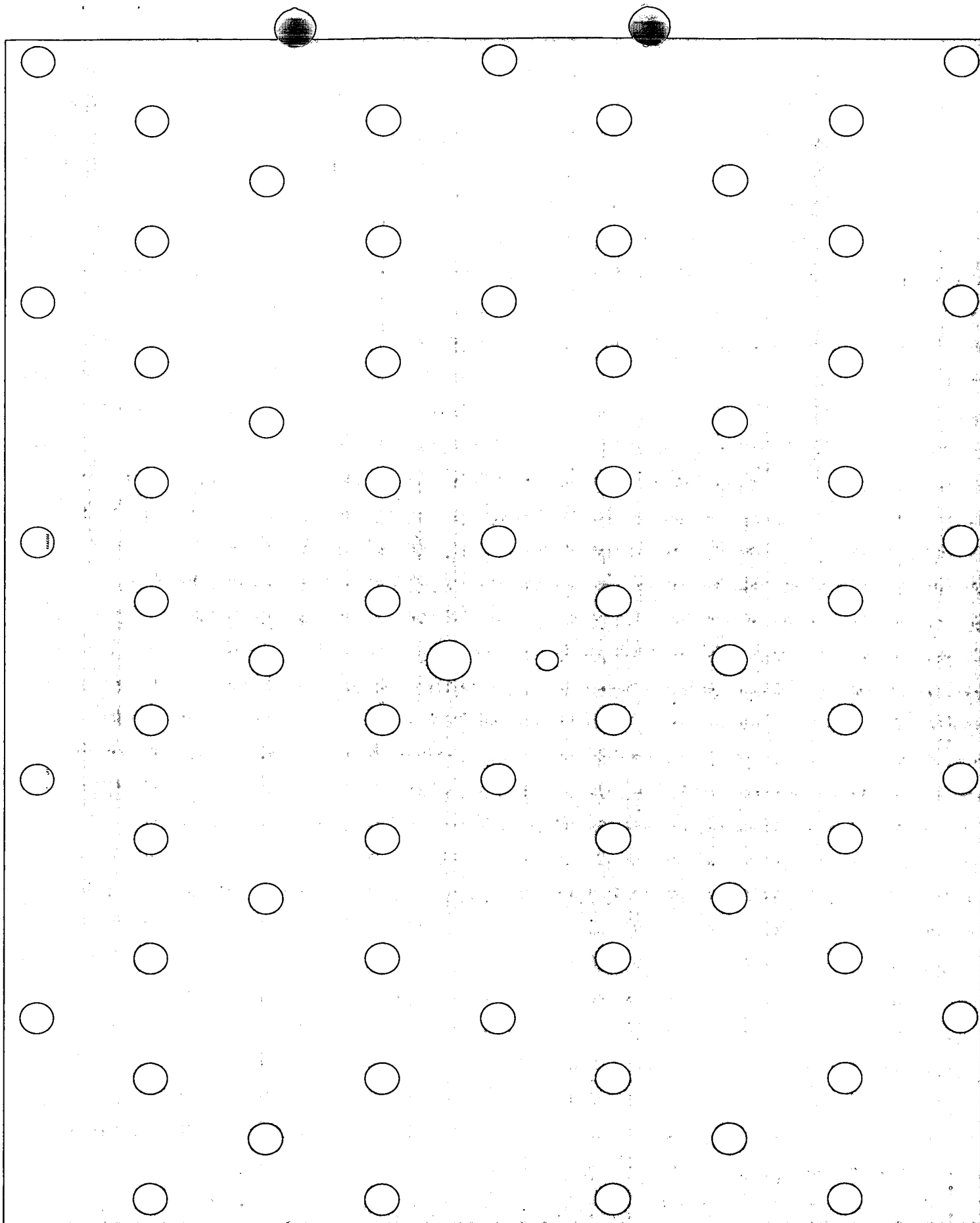


FIG. 46

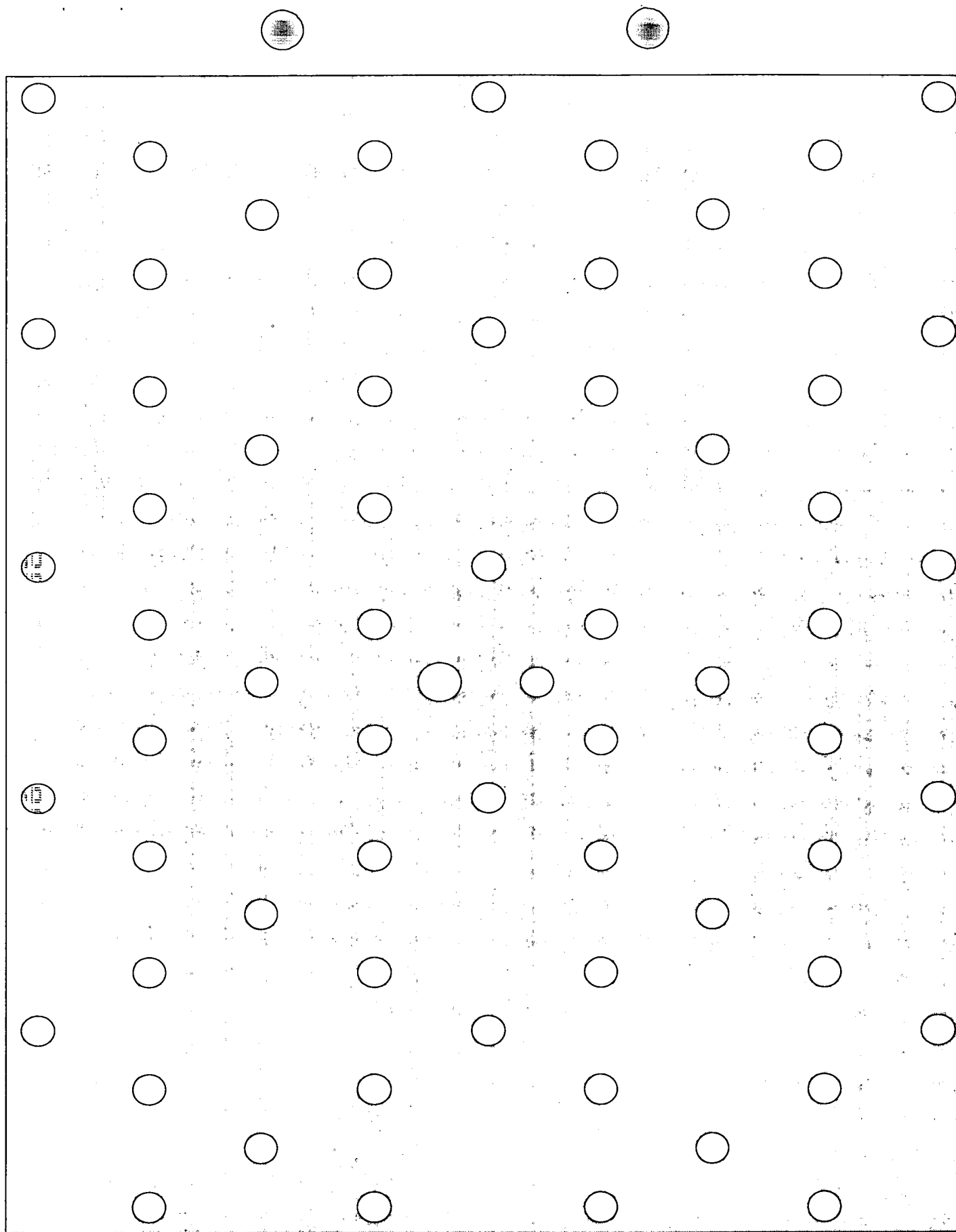


FIG. 42

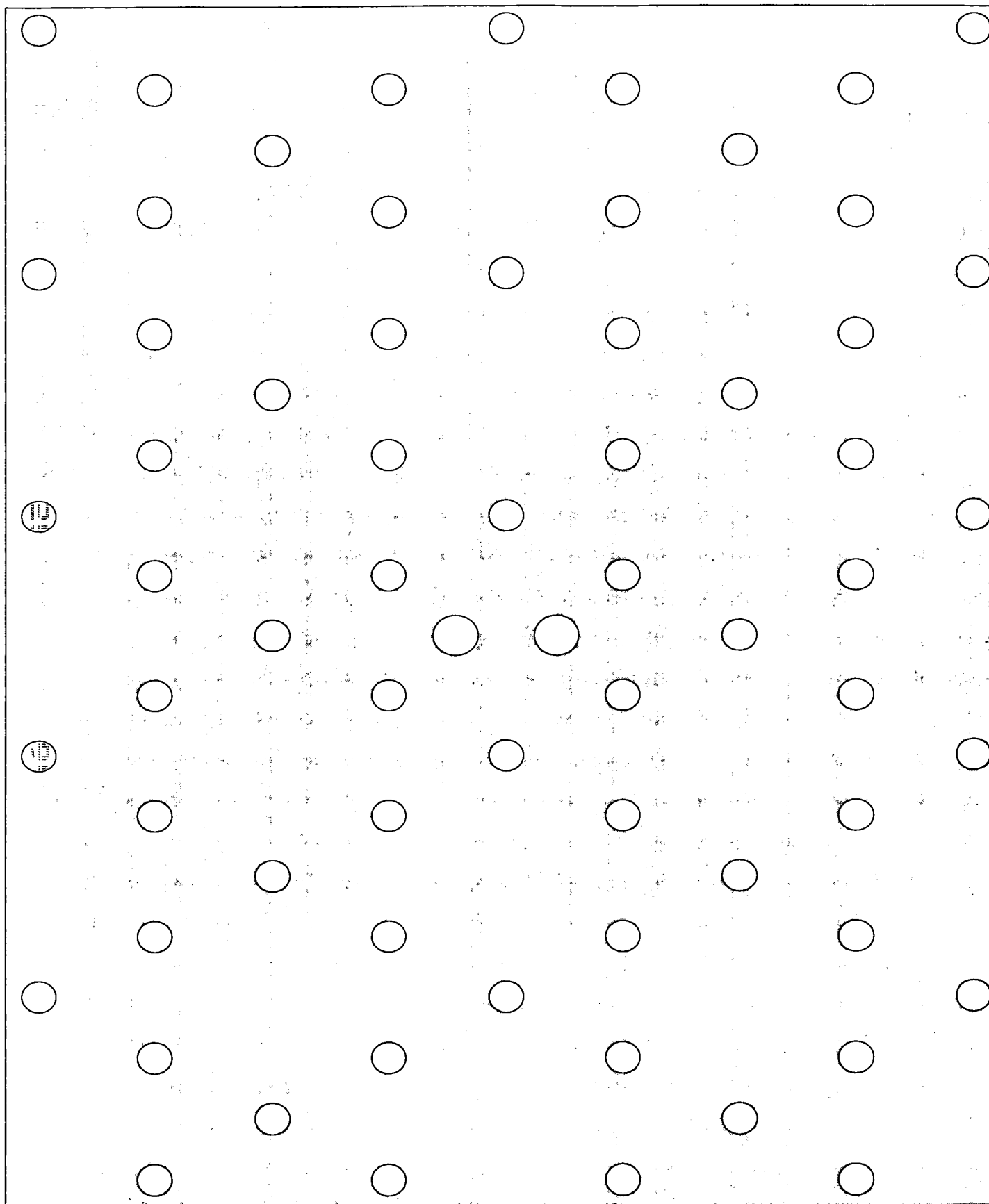


FIG. 48

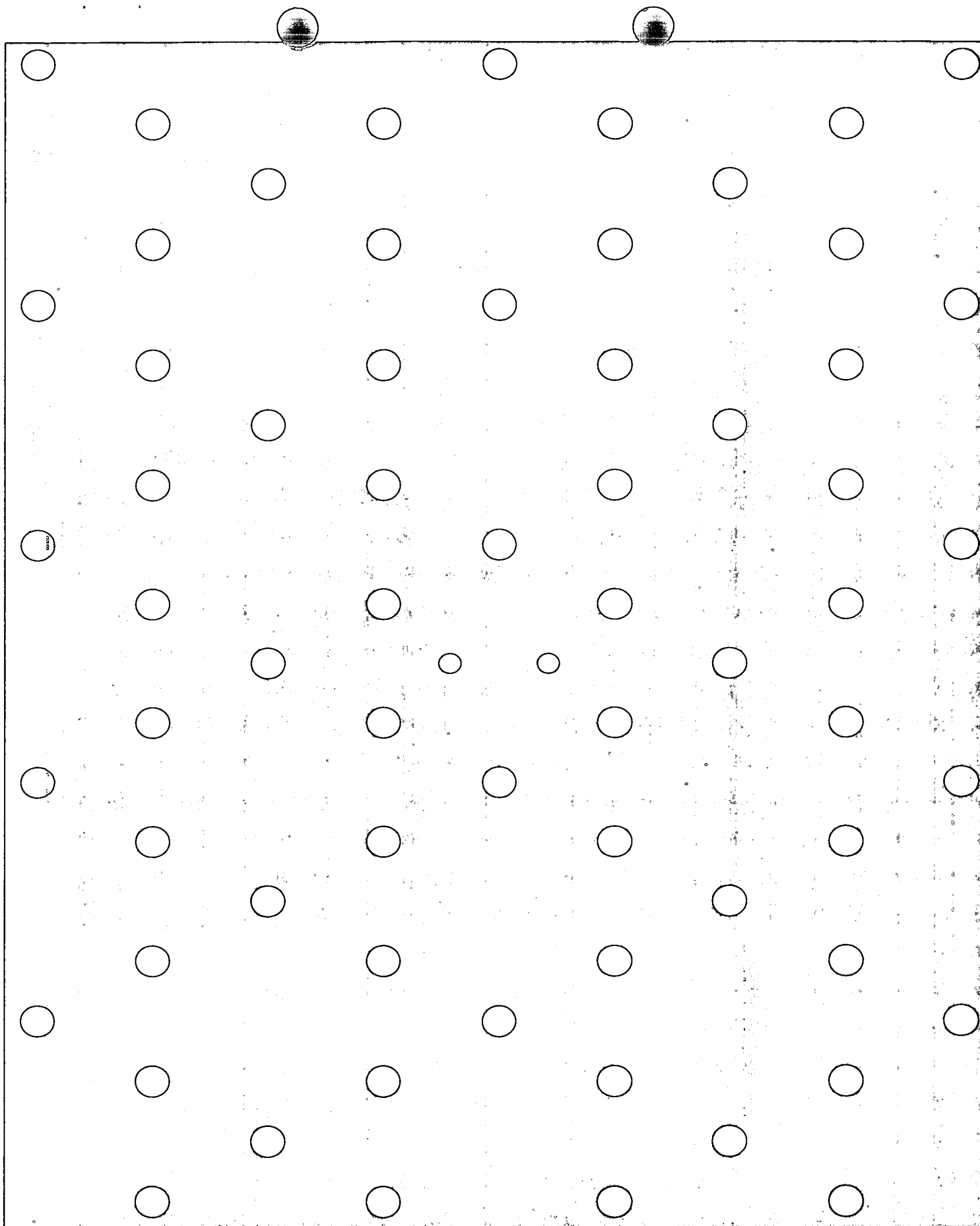


FIG. 49

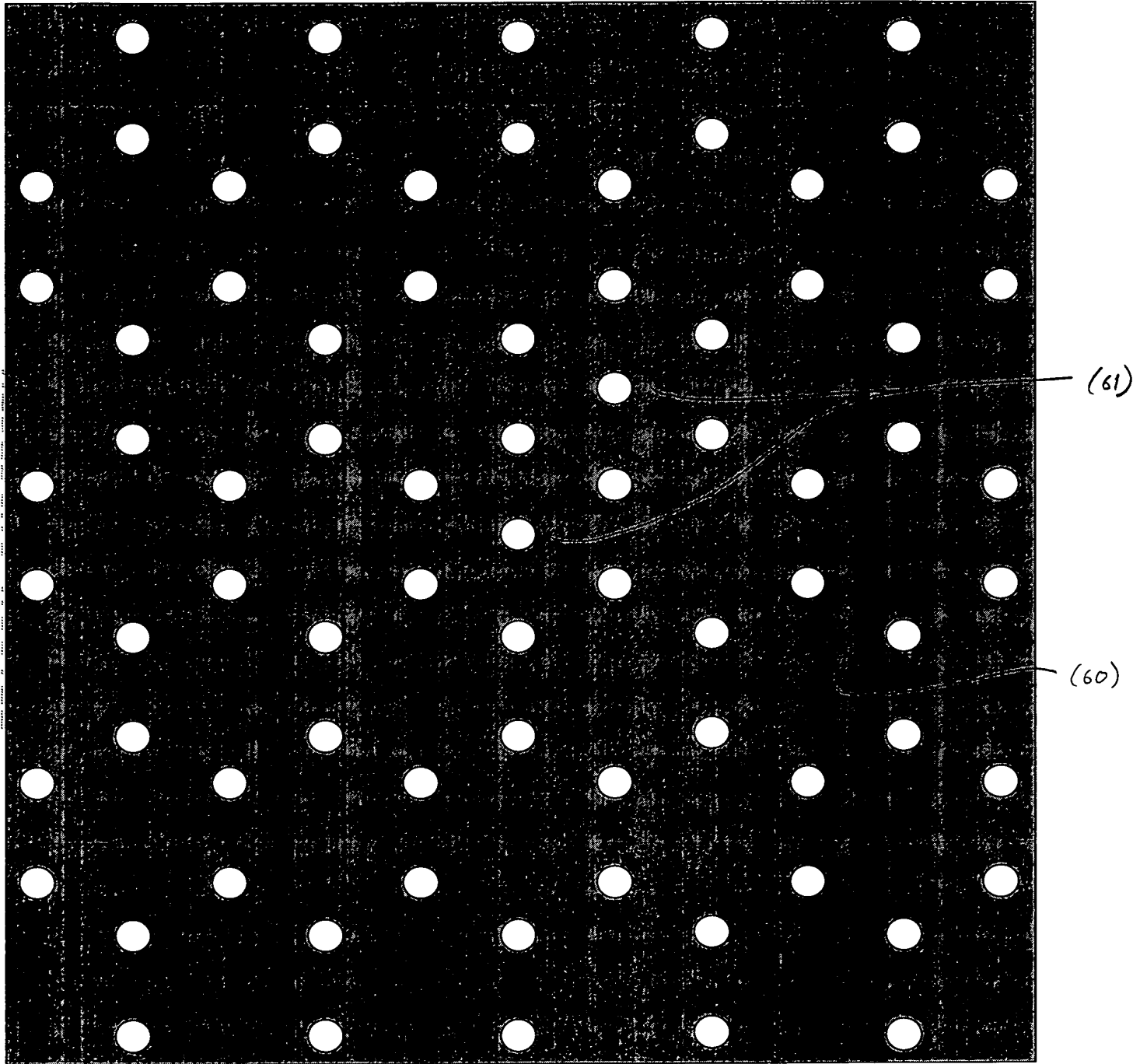


FIG. 50

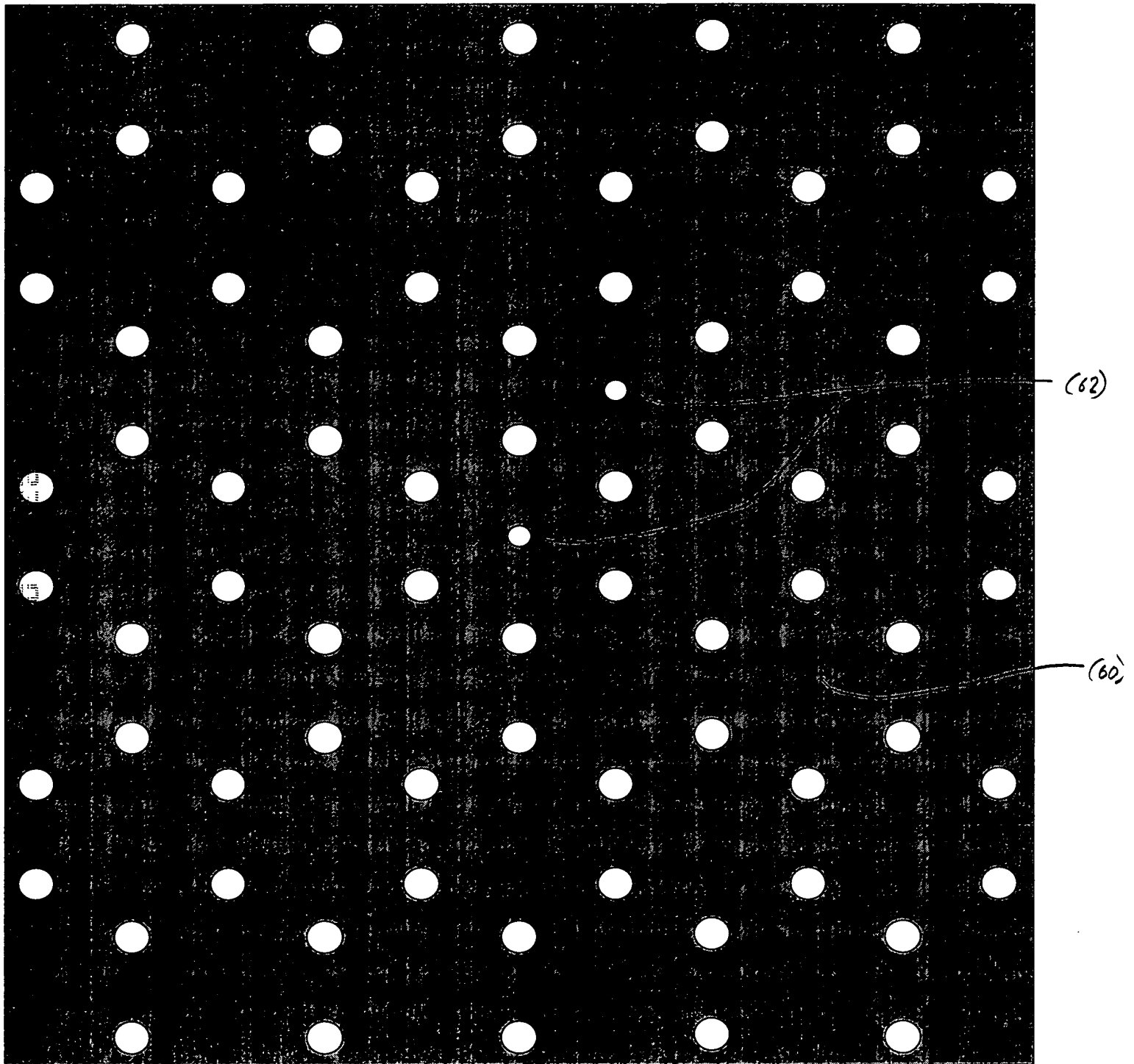


FIG. 51

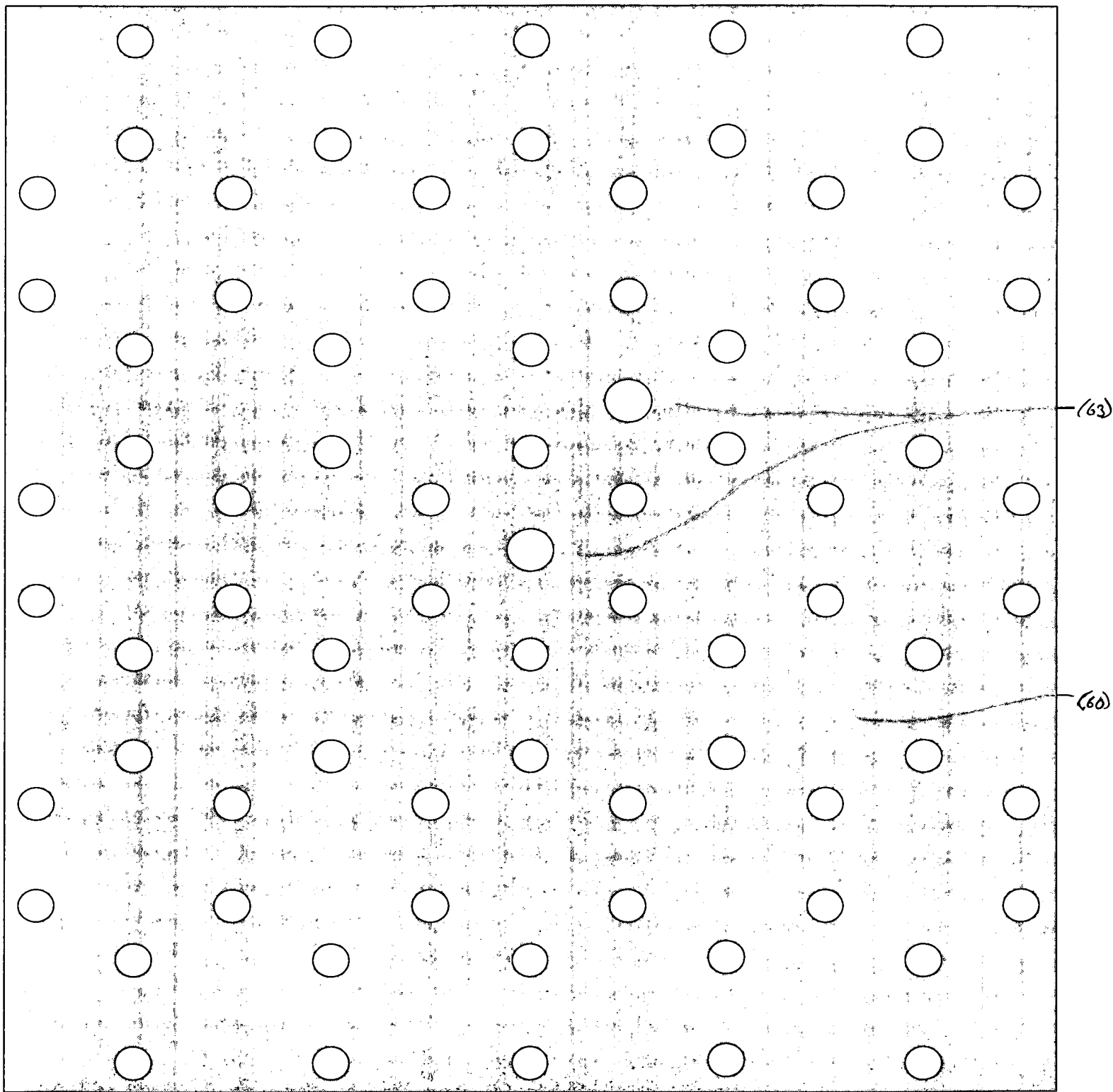


FIG. 52

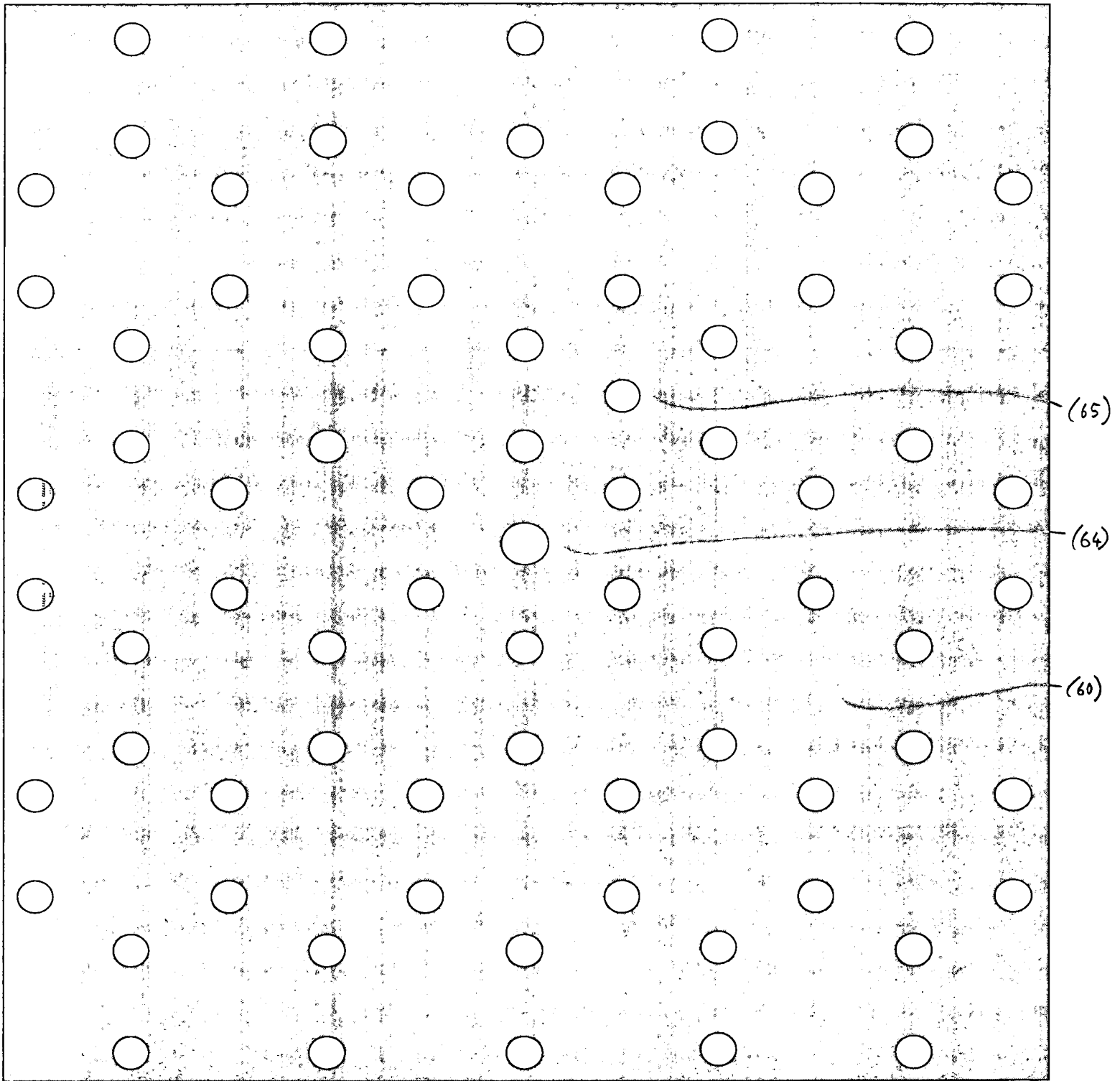


FIG. 53

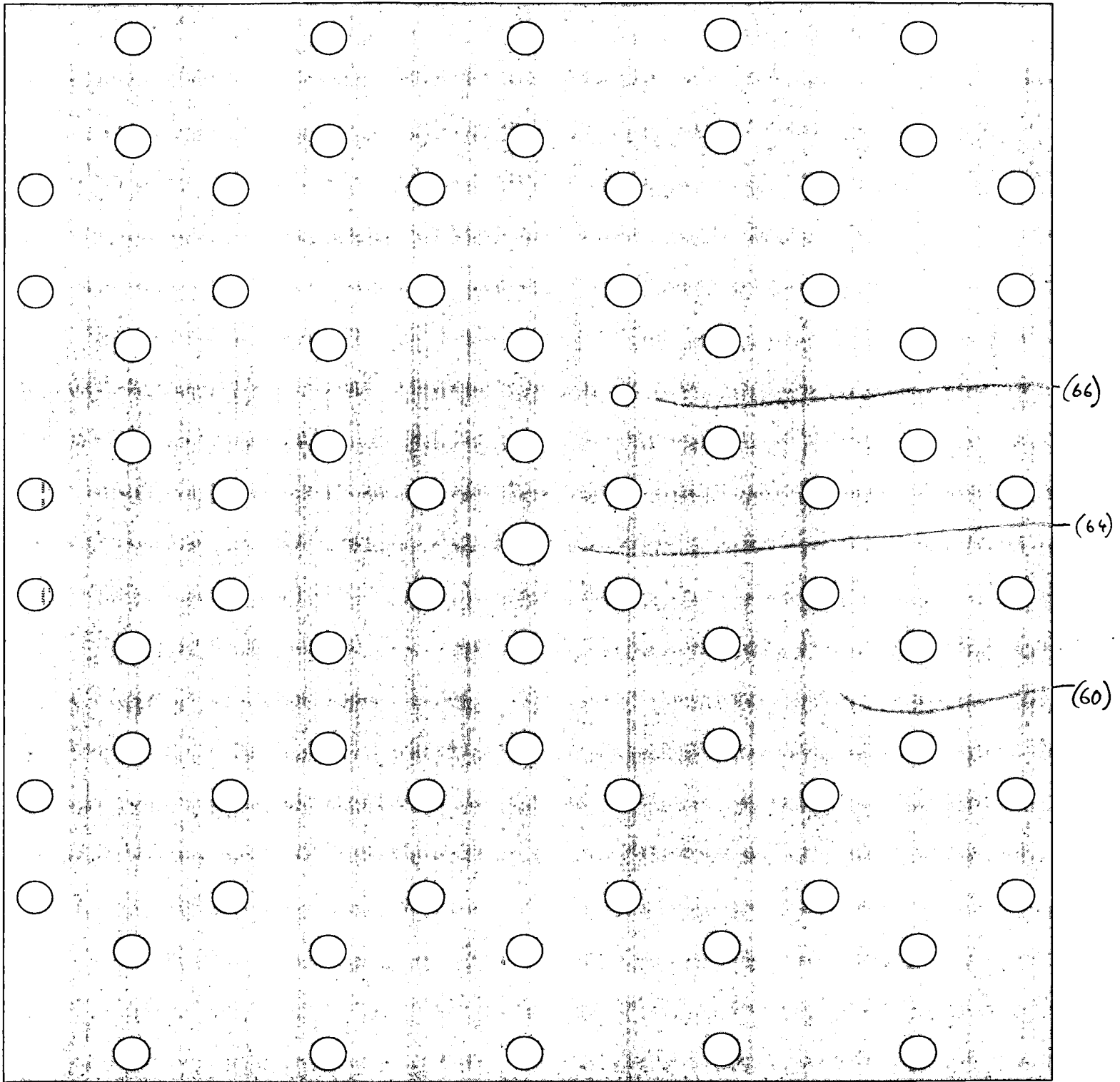


FIG. 54

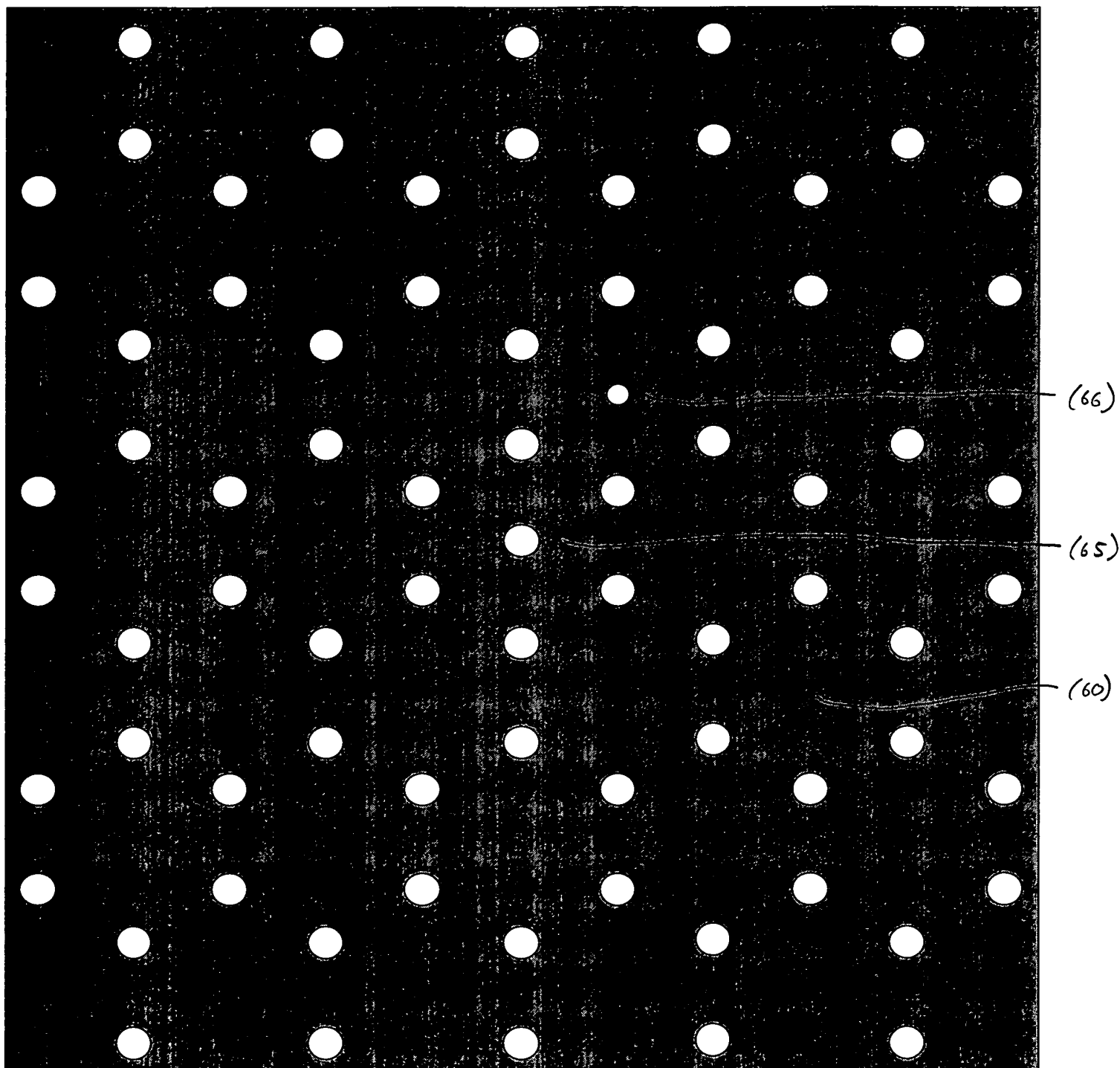


FIG. 55

FIG. 56 is a perspective view of a perforated sheet 67 having a grid of circular holes 68.

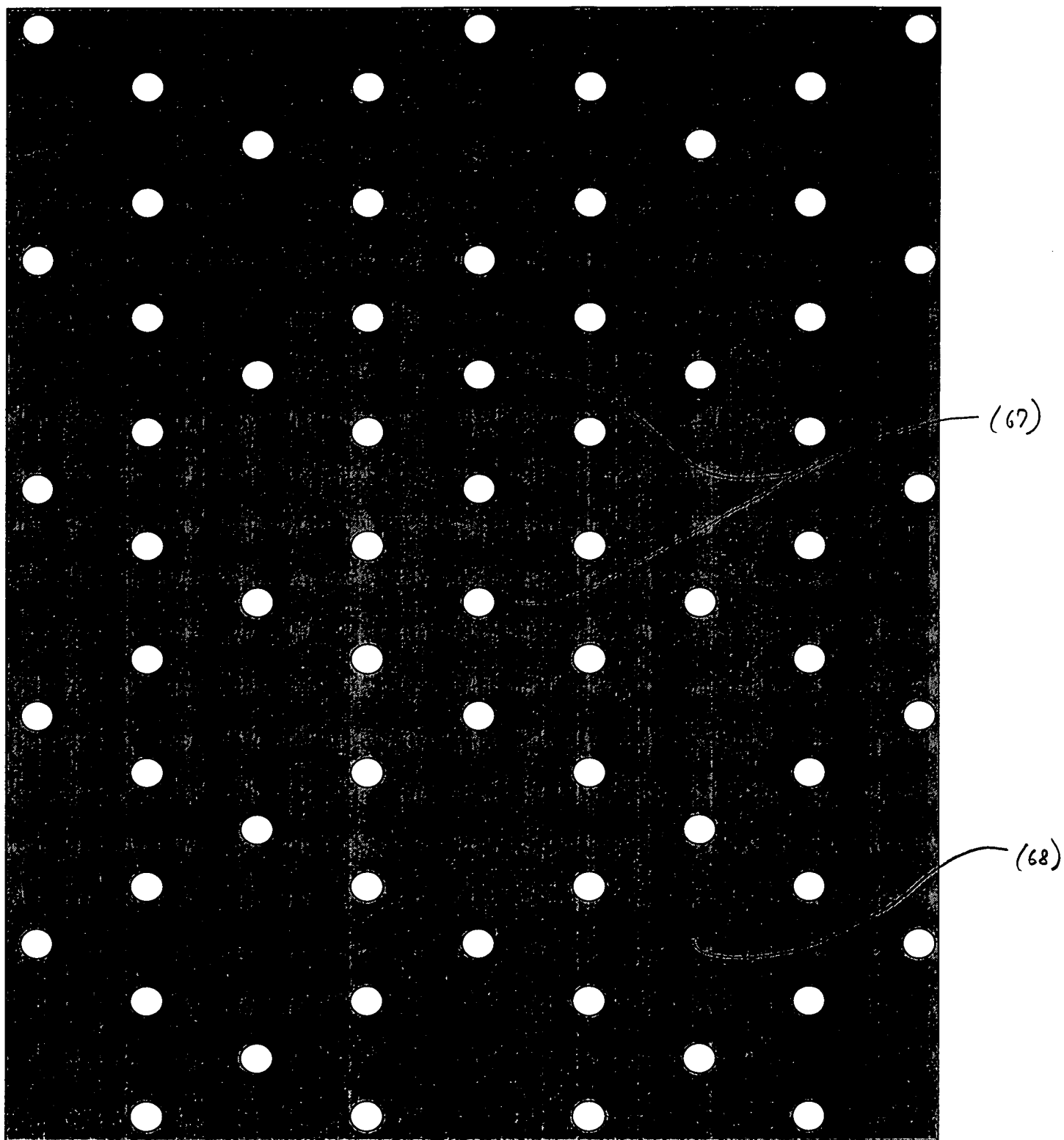


FIG. 56

FIG. 52

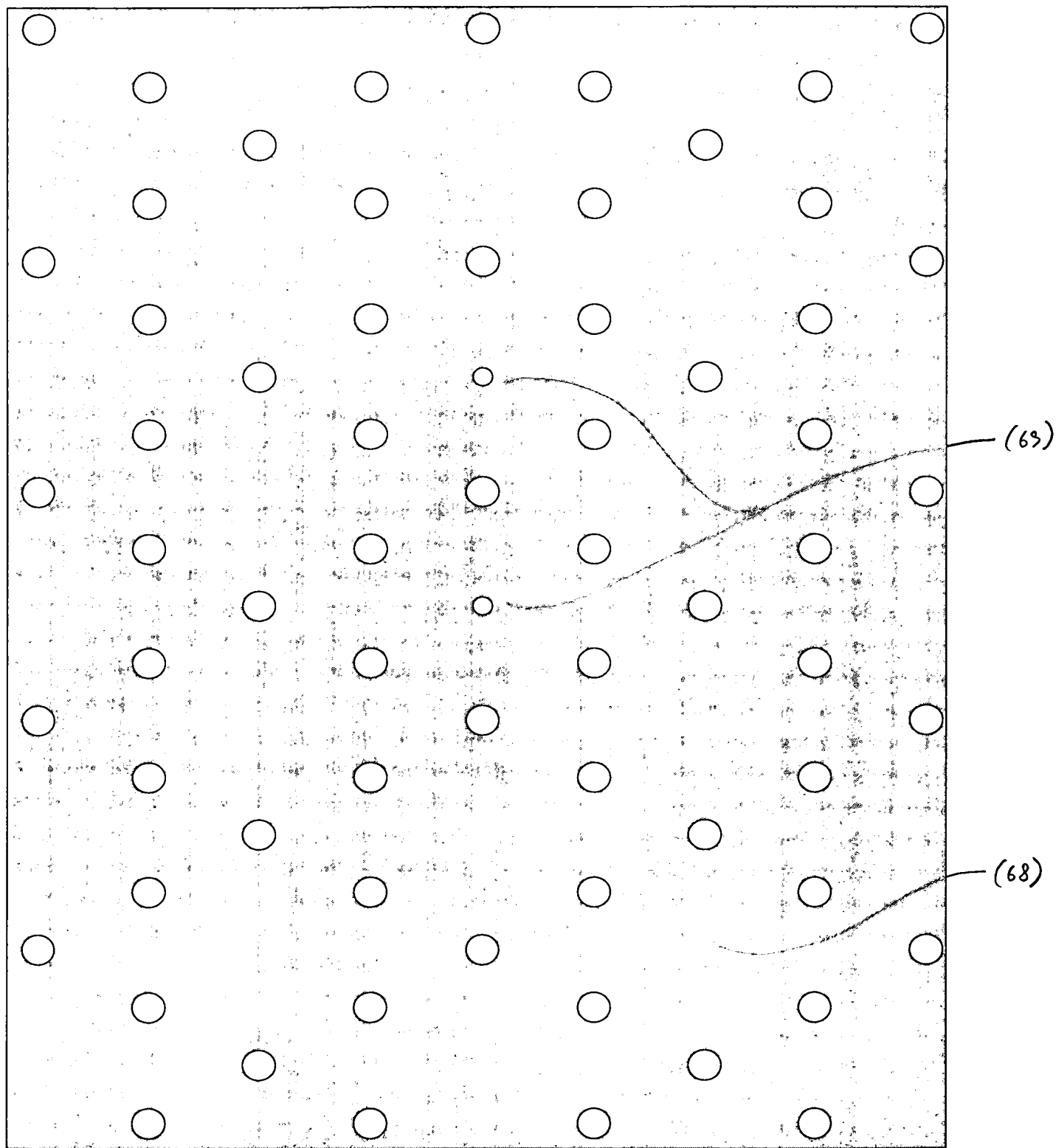


FIG. 52

FIG. 58

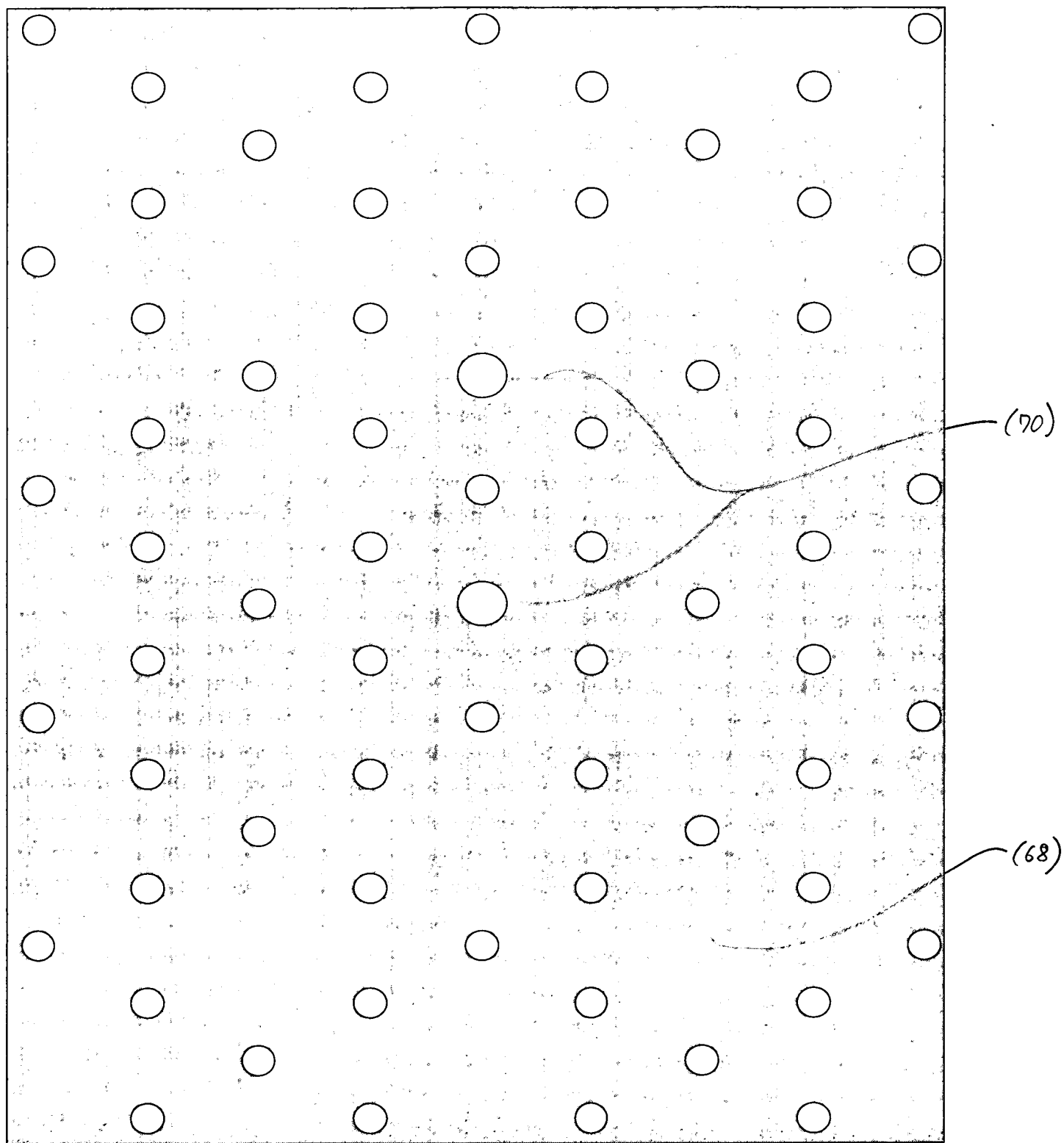


FIG. 58

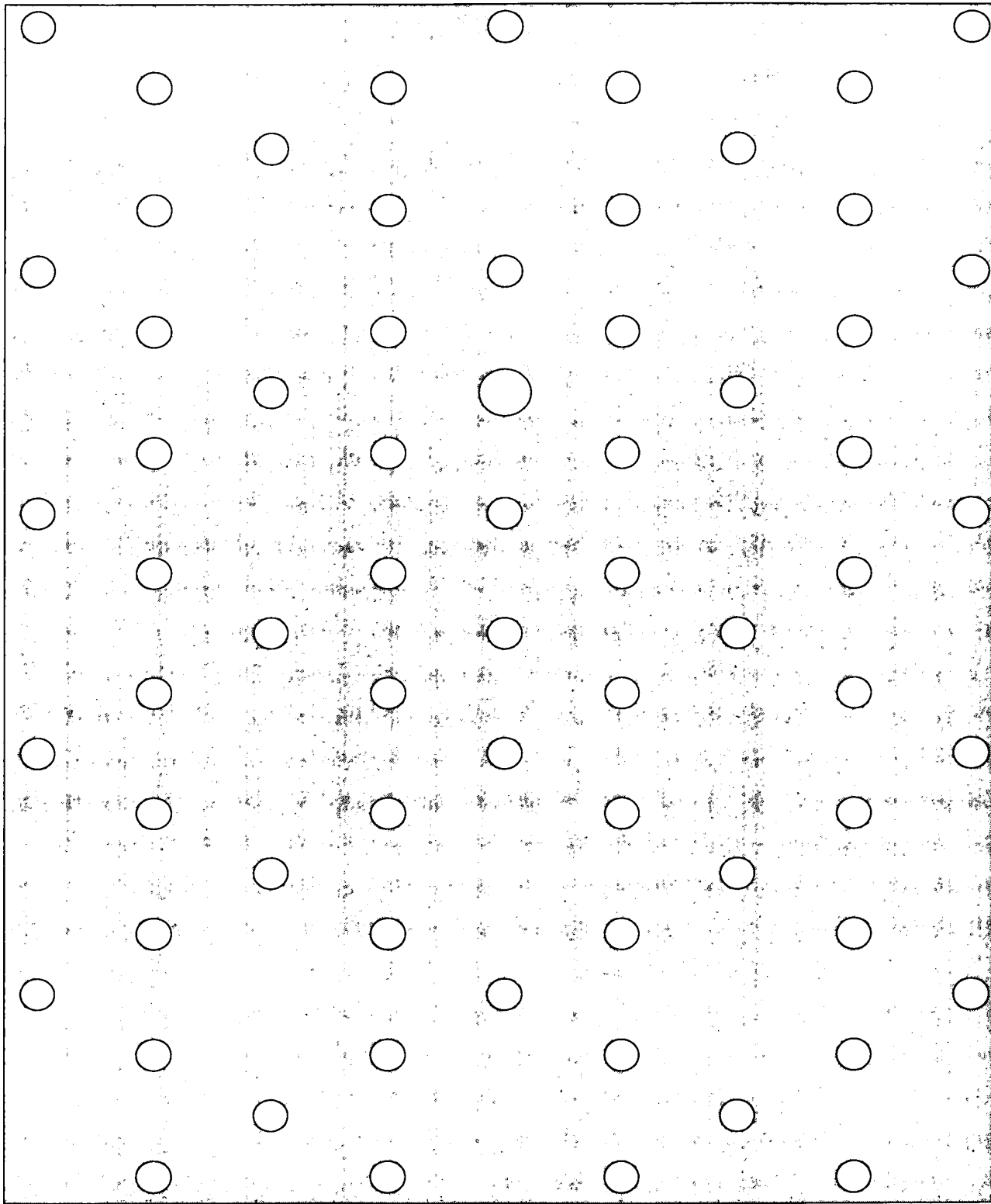


FIG. 59

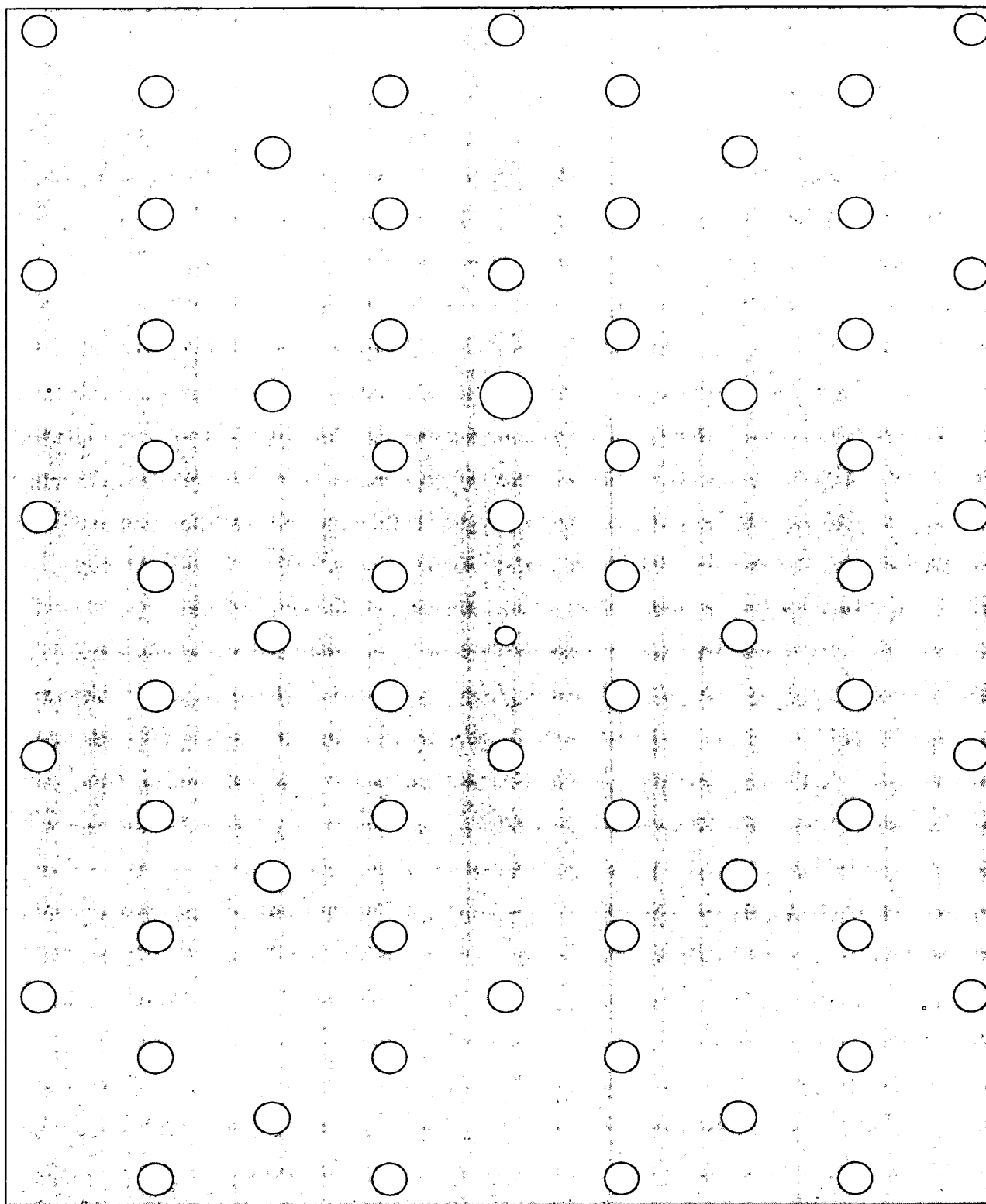


FIG. 60

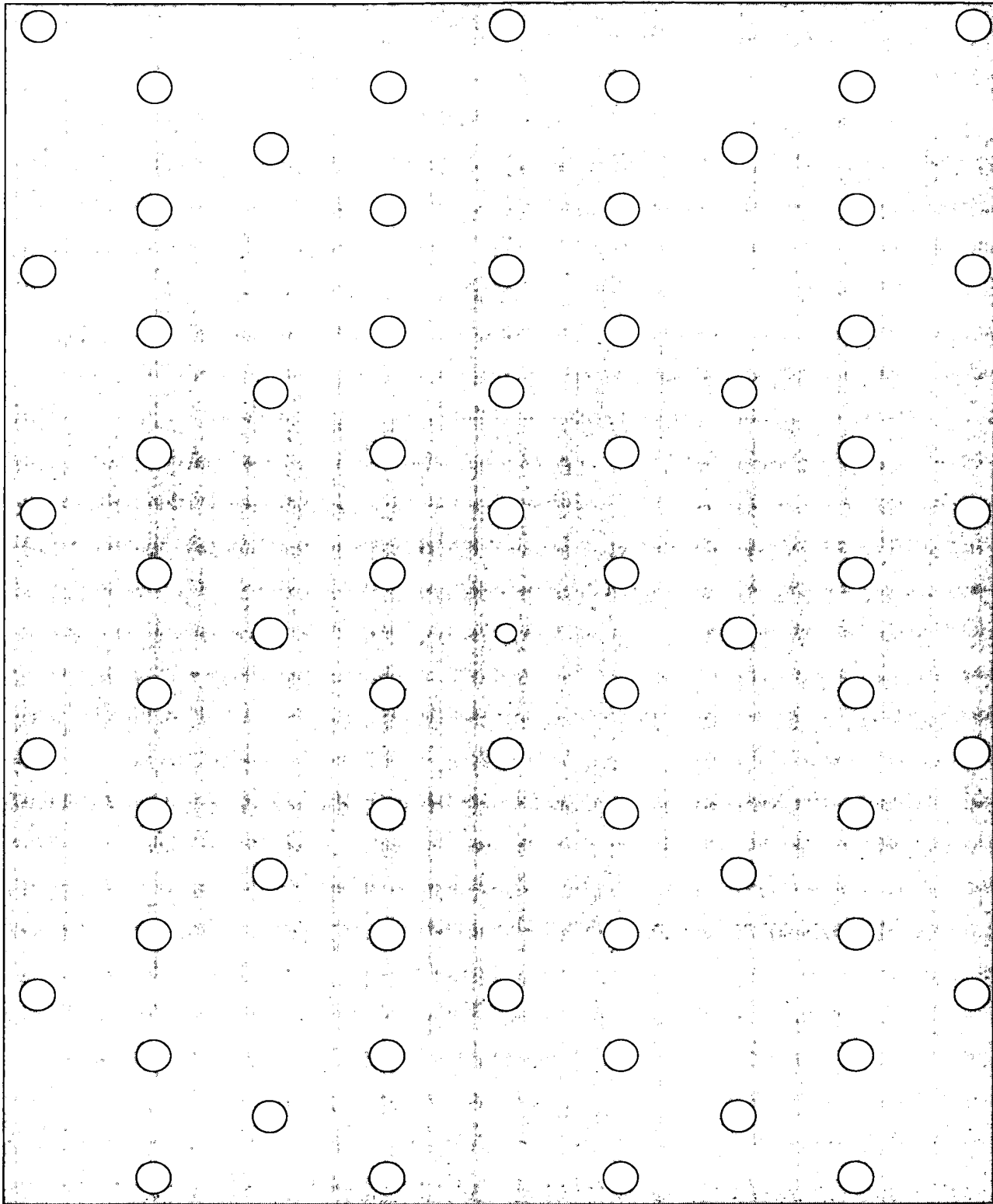
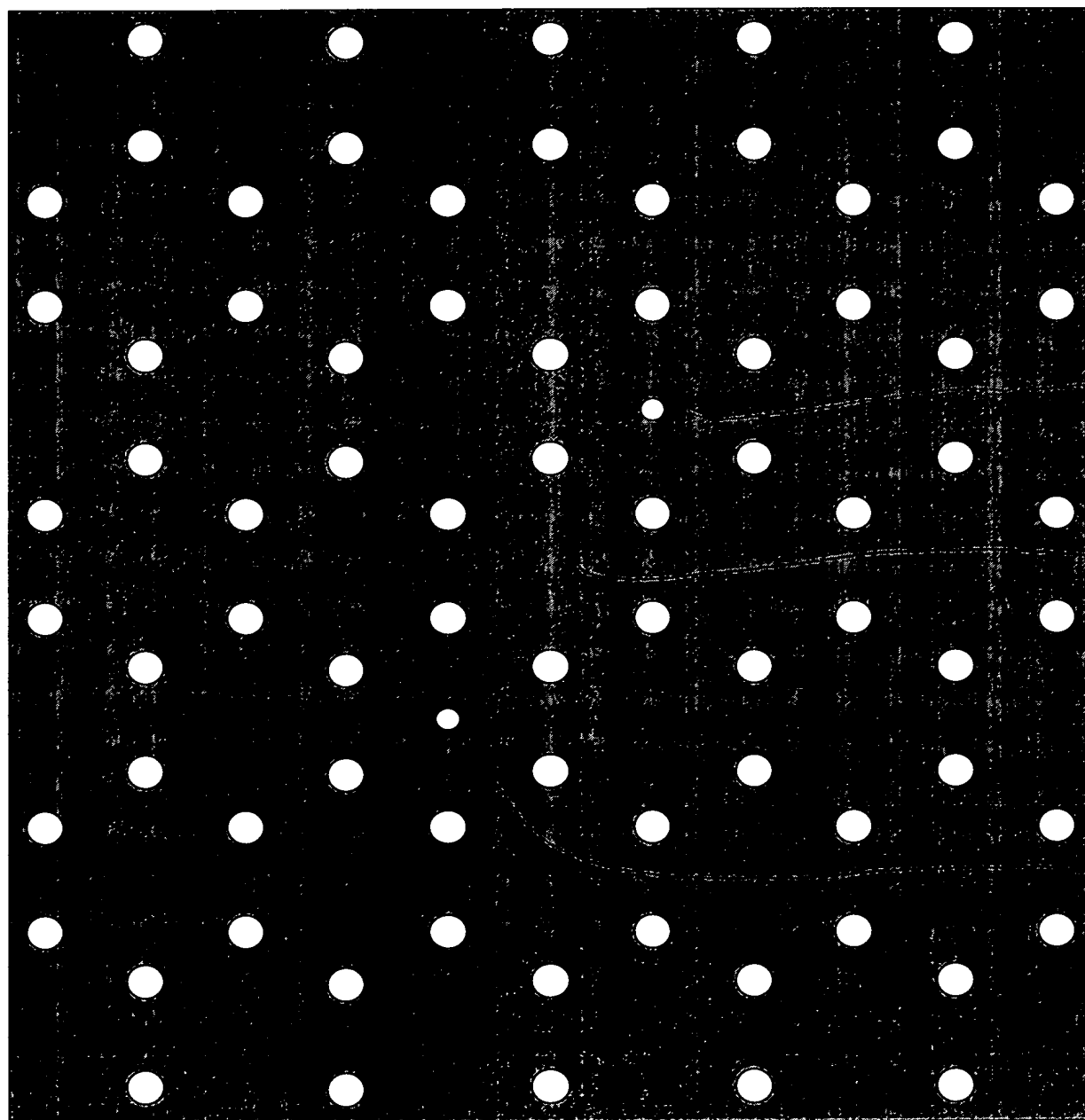


FIG. 61



(71)

FIG 62

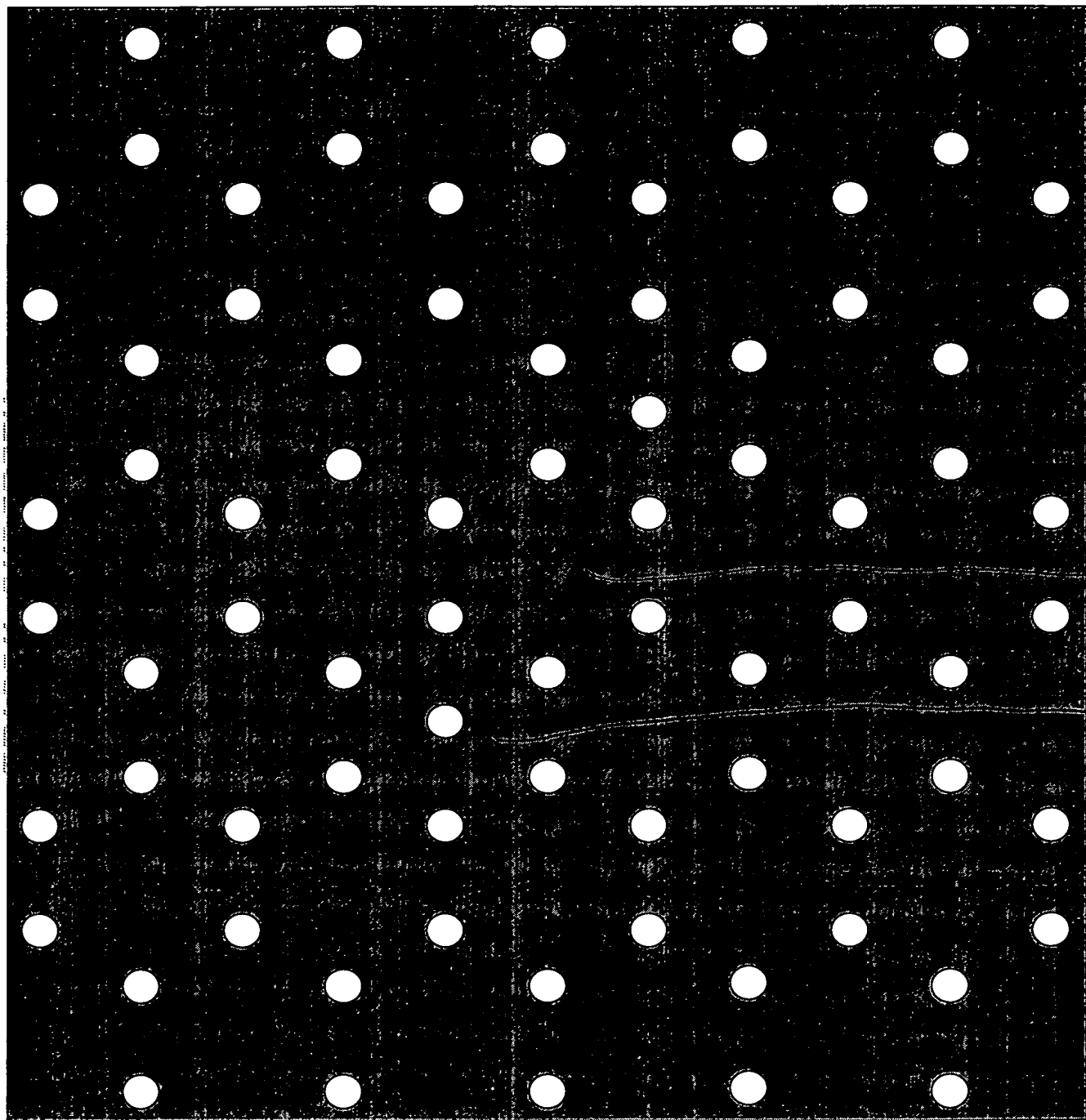


FIG. 63

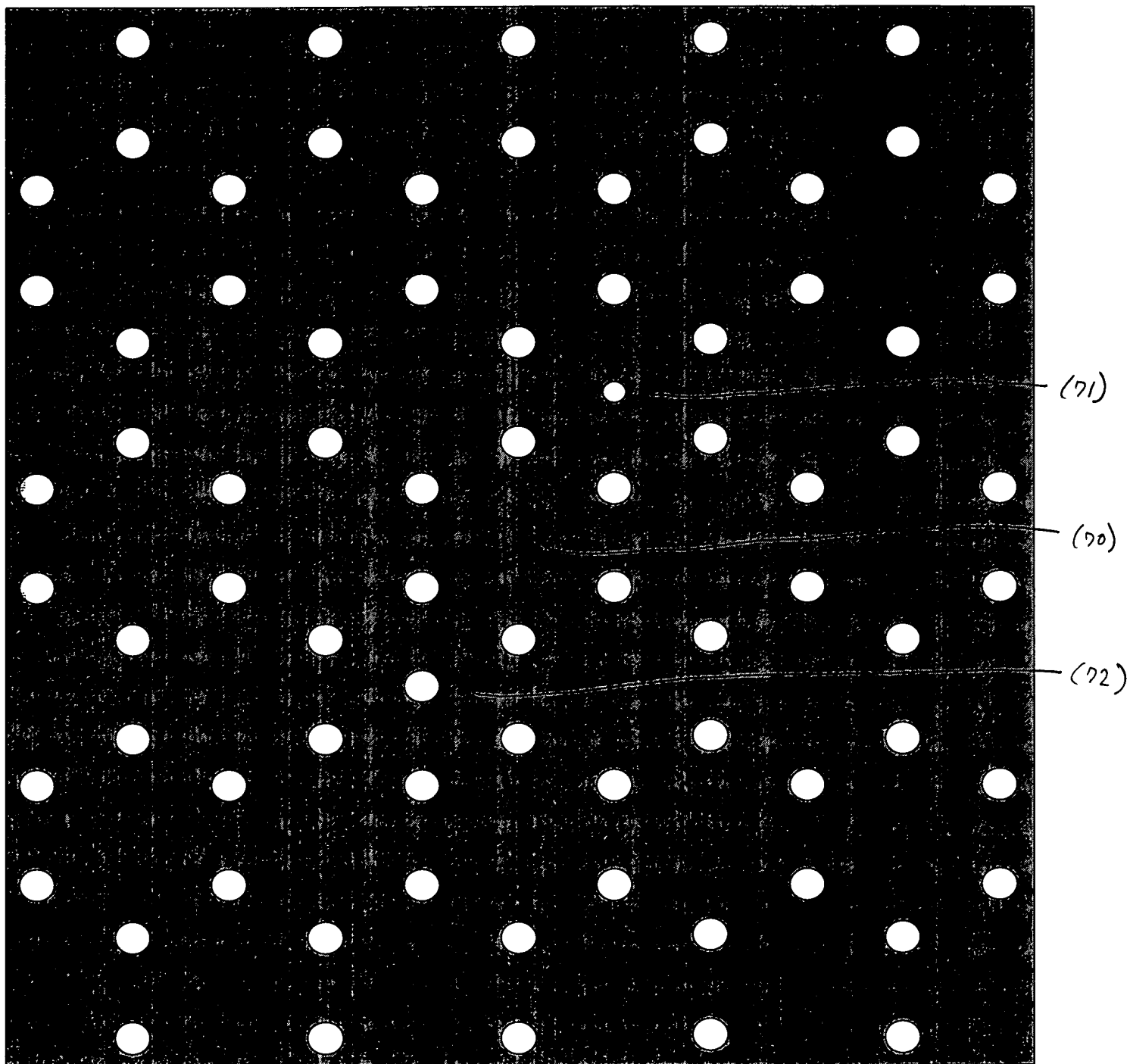


FIG. 64

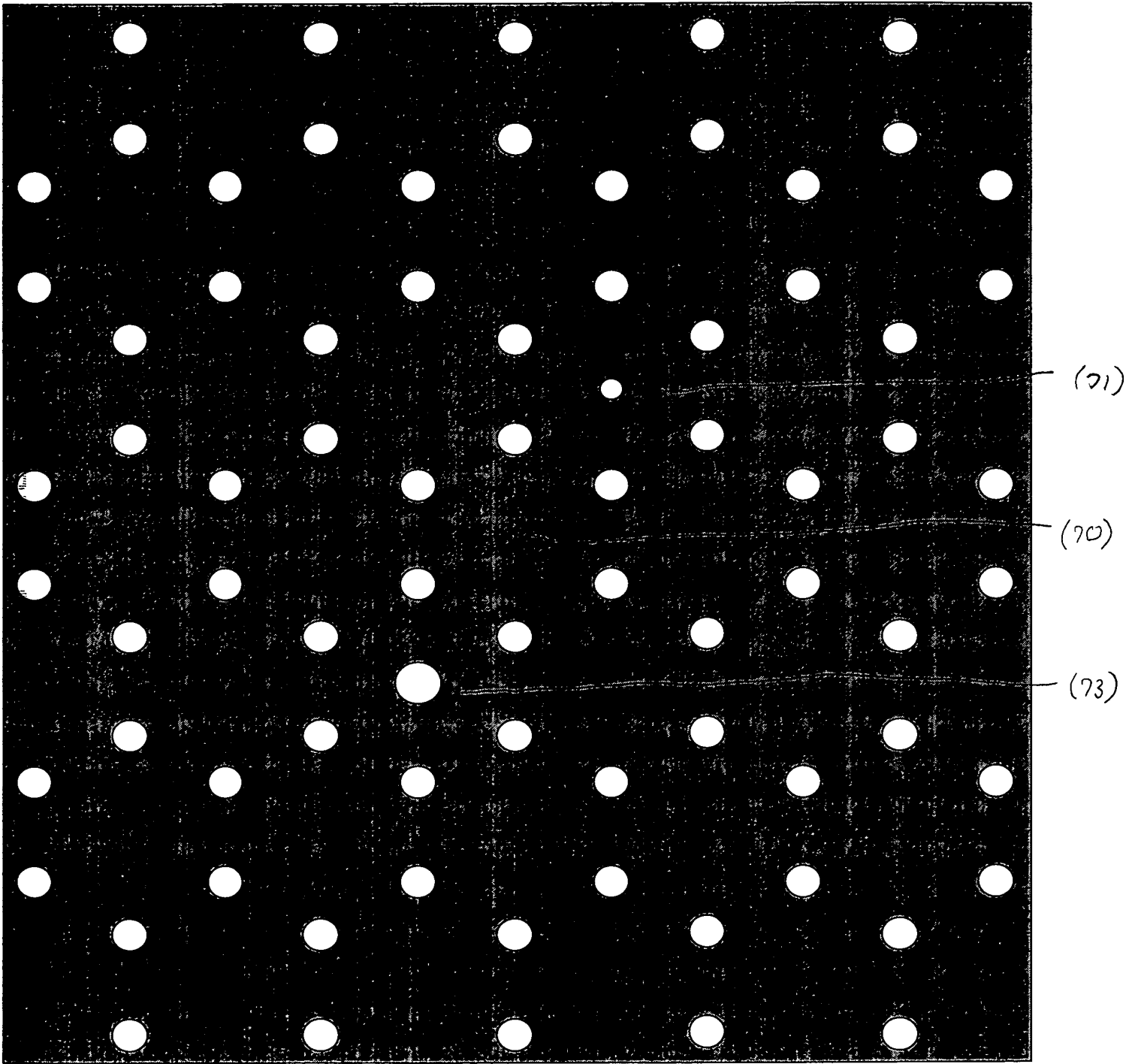


FIG. 65

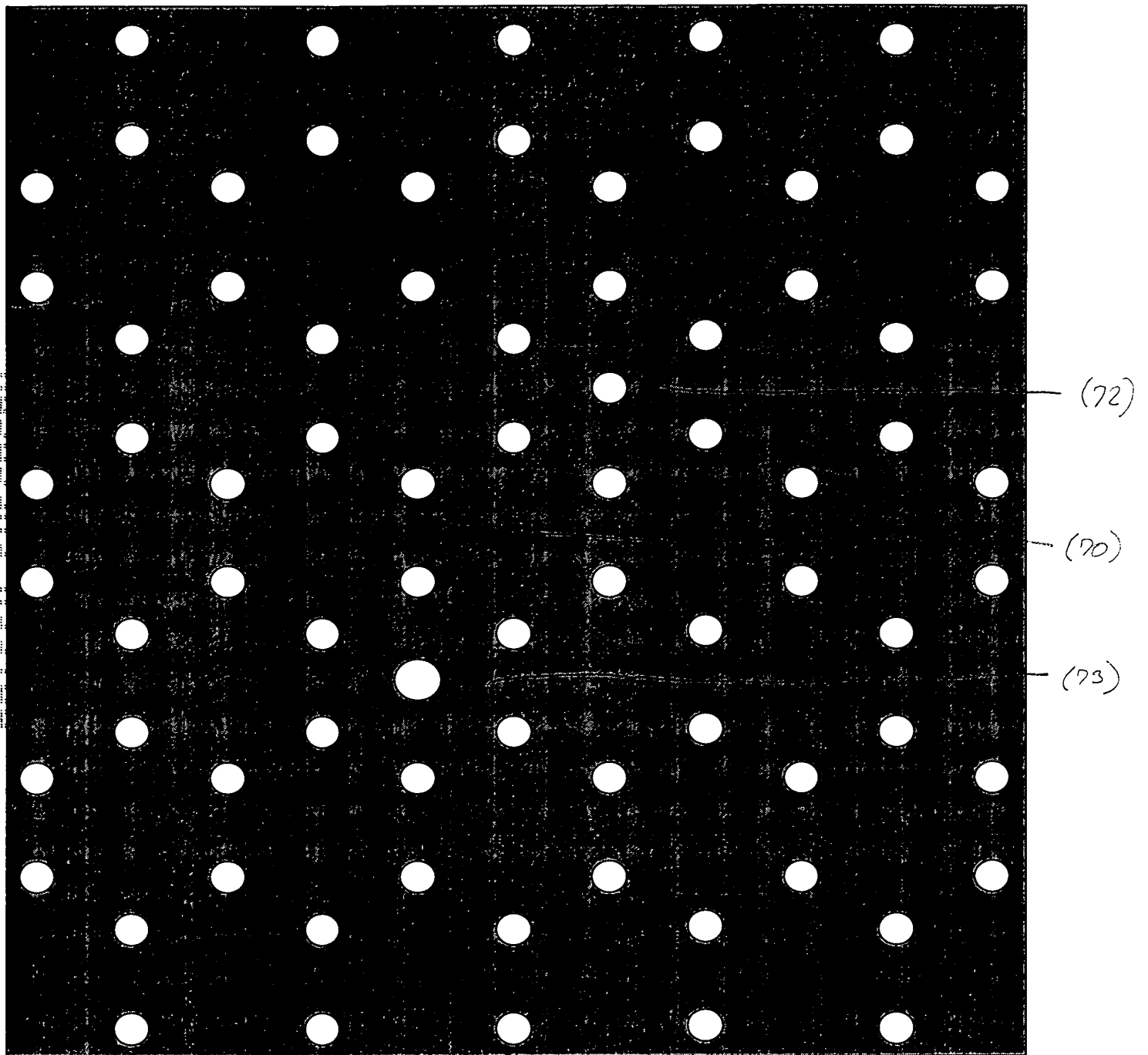


FIG. 66

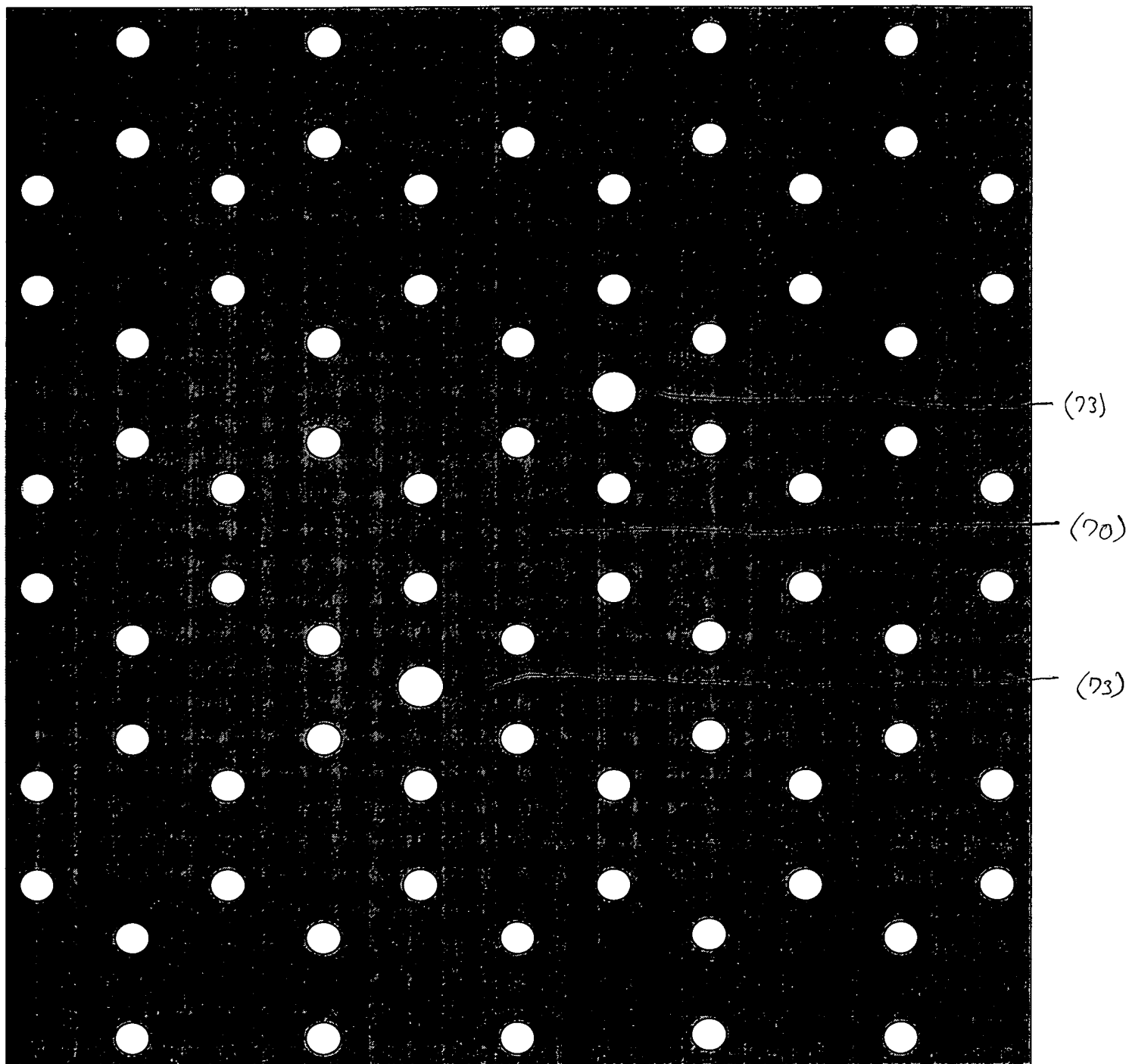


FIG. 62

FIG. 68

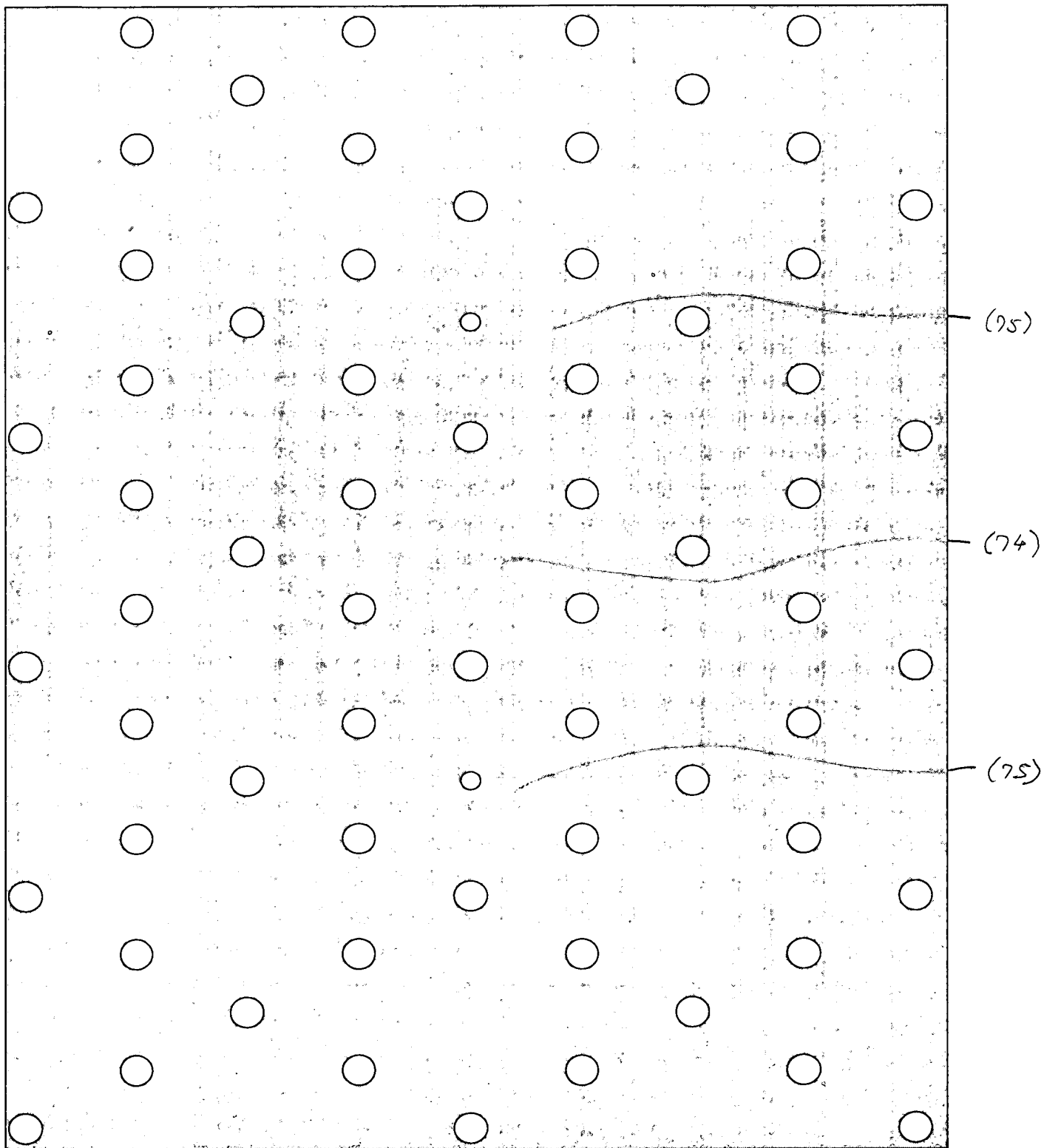
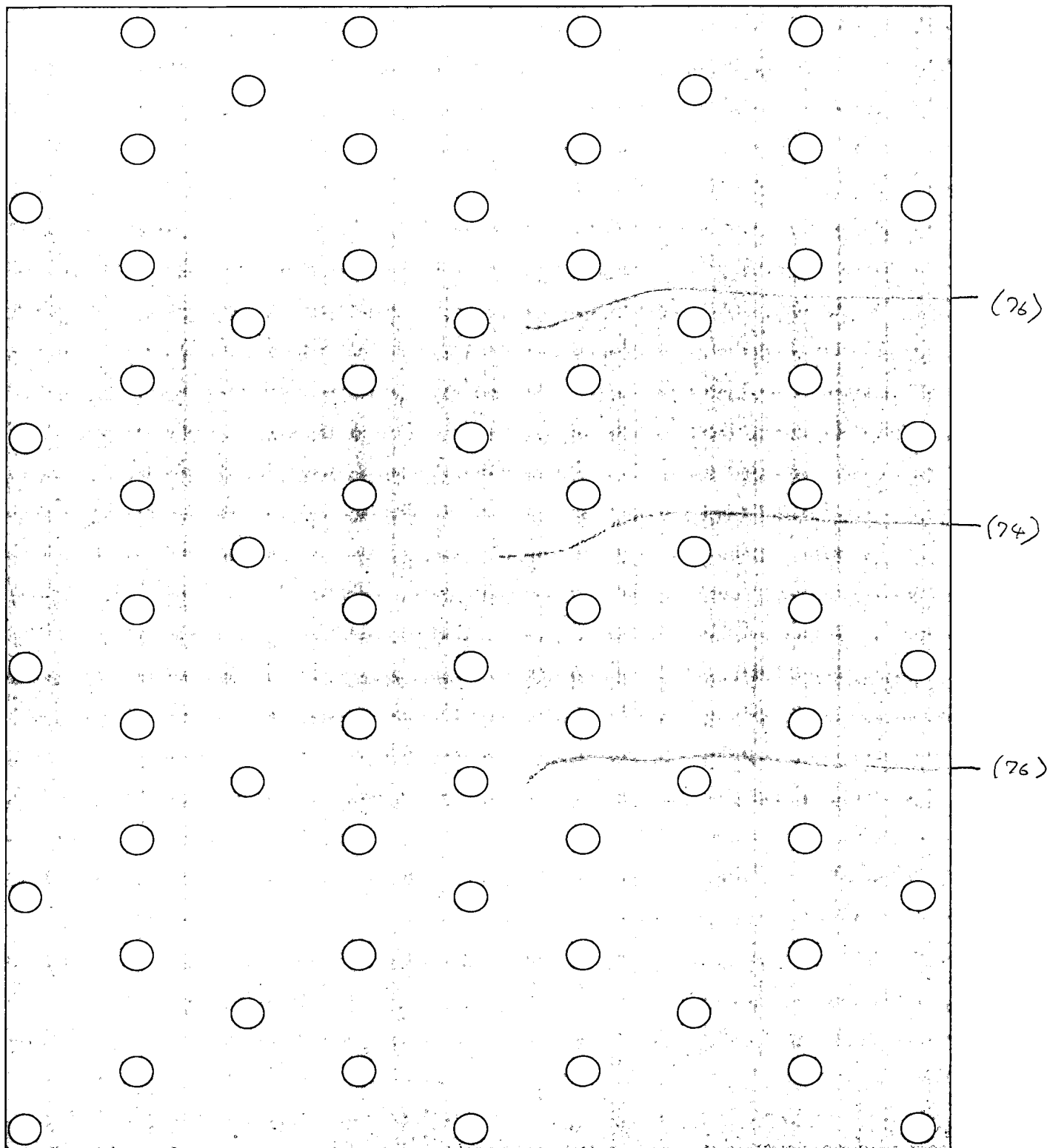


FIG. 68

FIG. 69



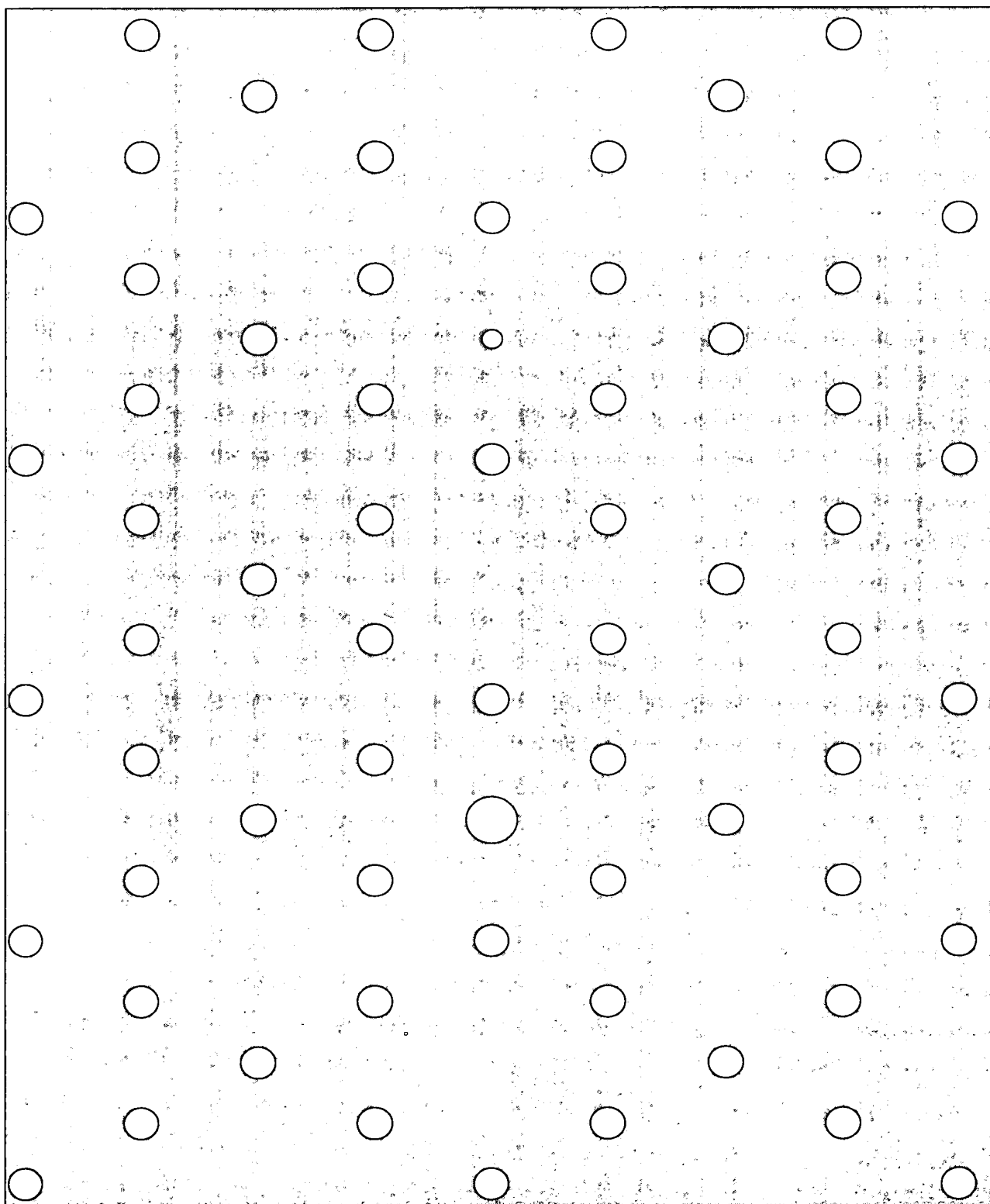


FIG. 71

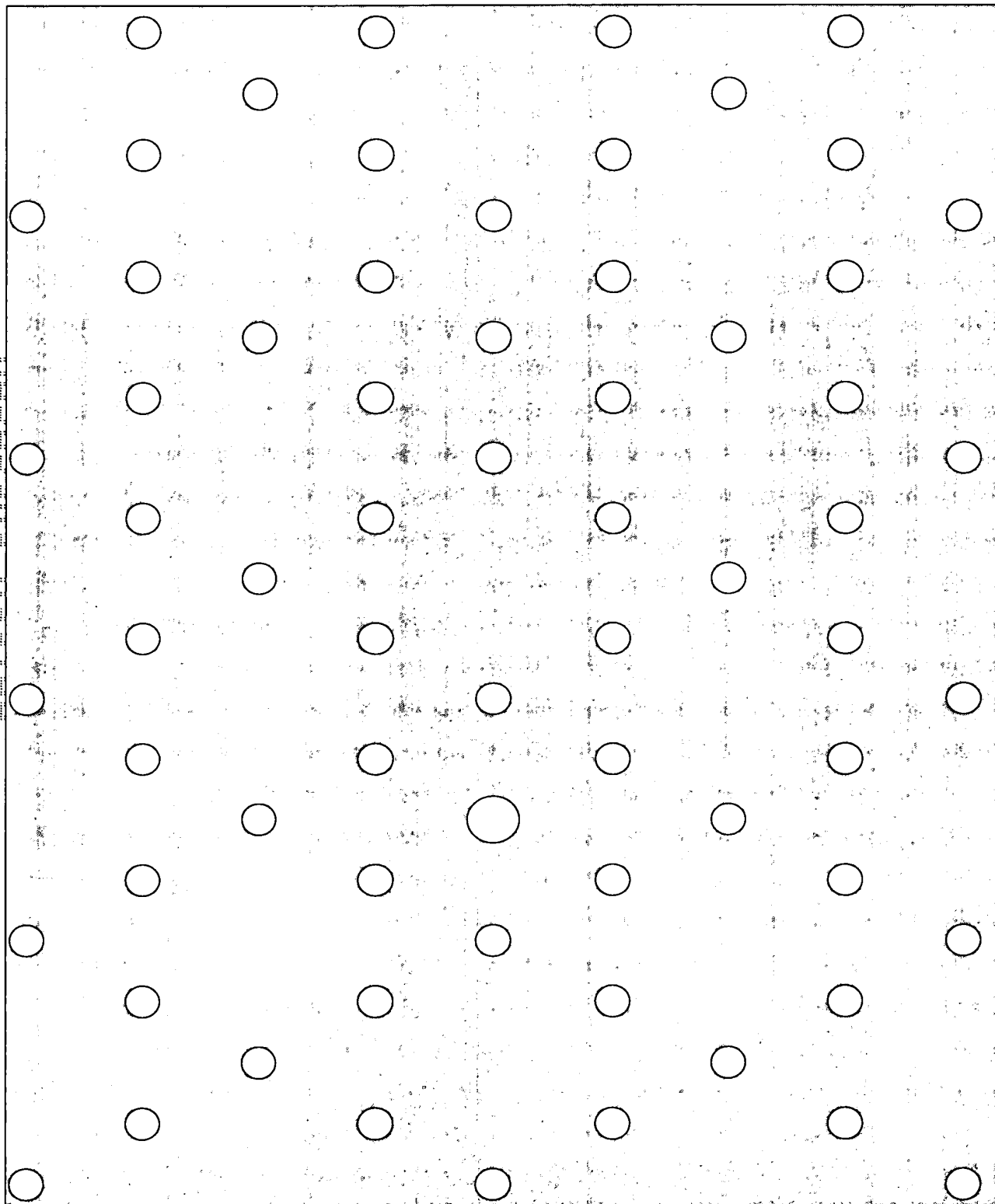


FIG. 72

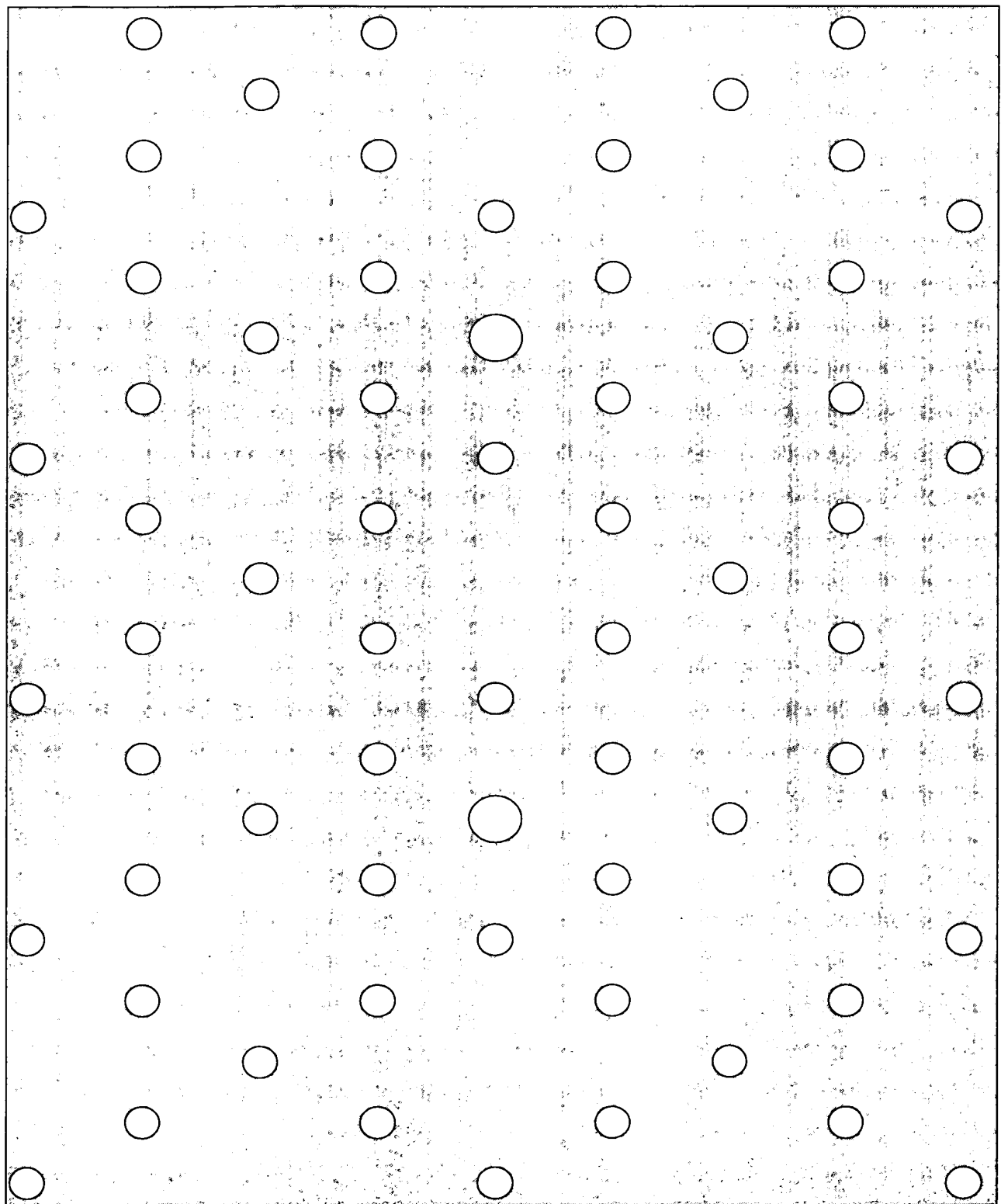


FIG. 23

FIG. 74

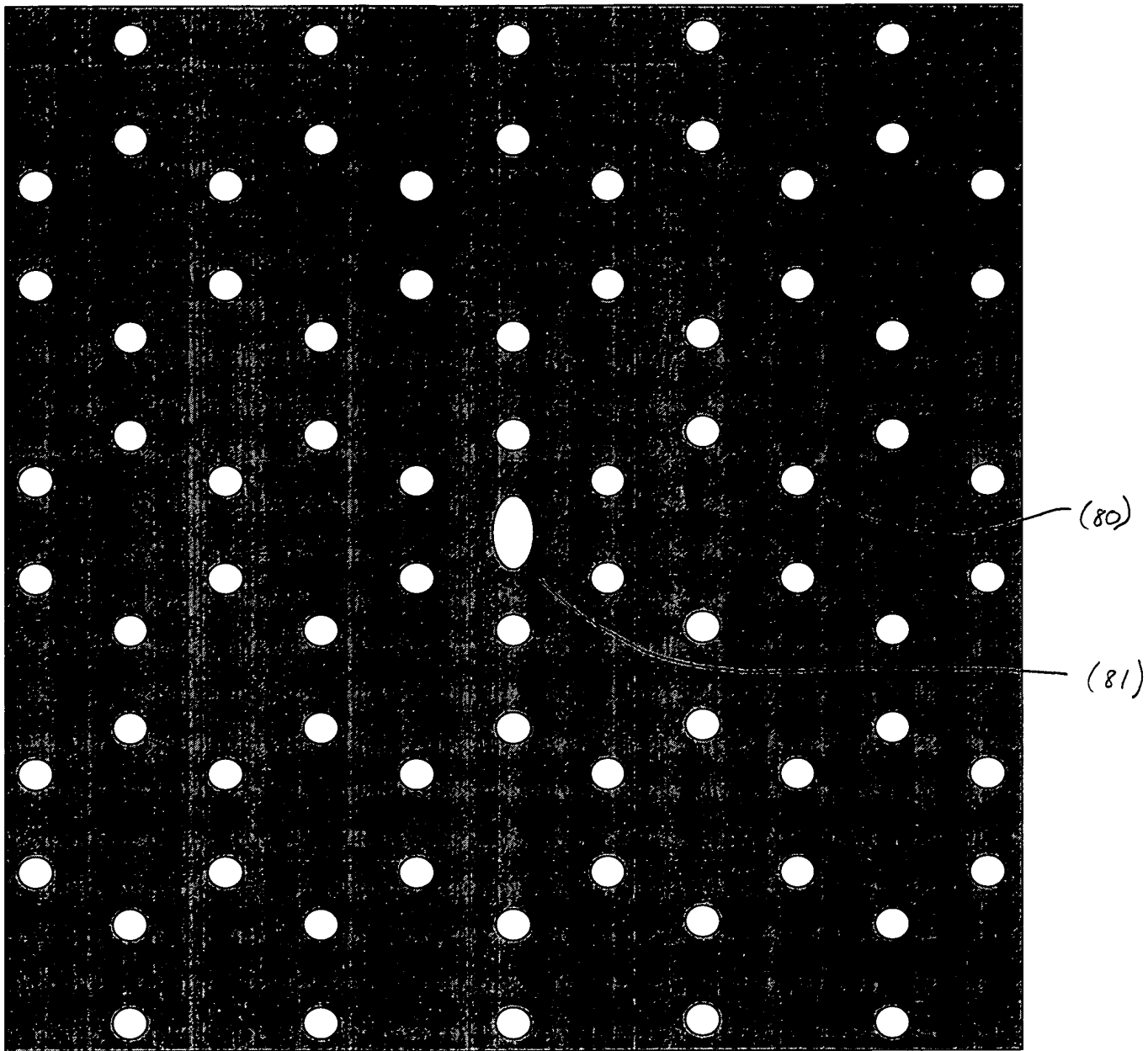


FIG. 74

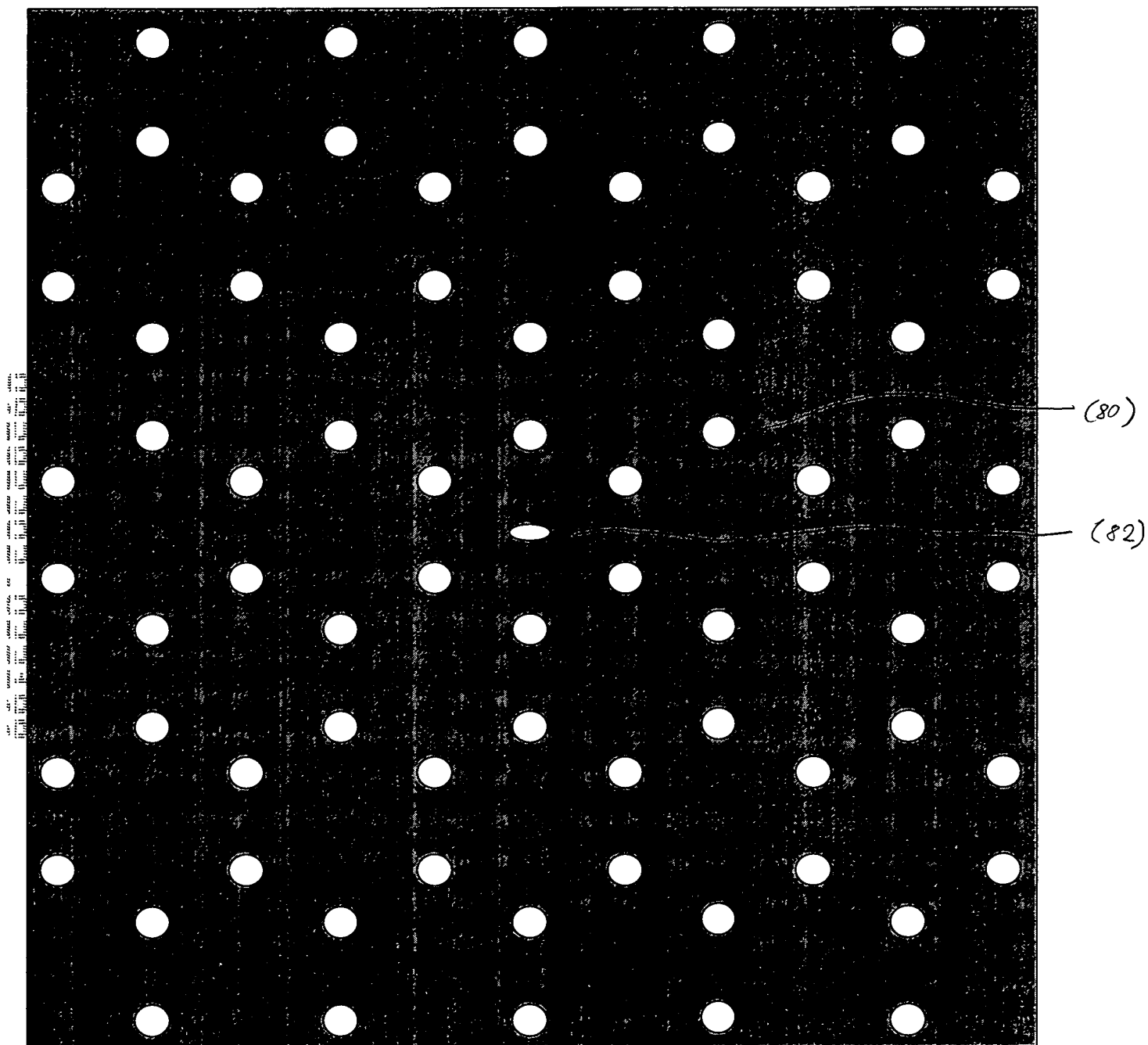


FIG. 75

FIG. 26

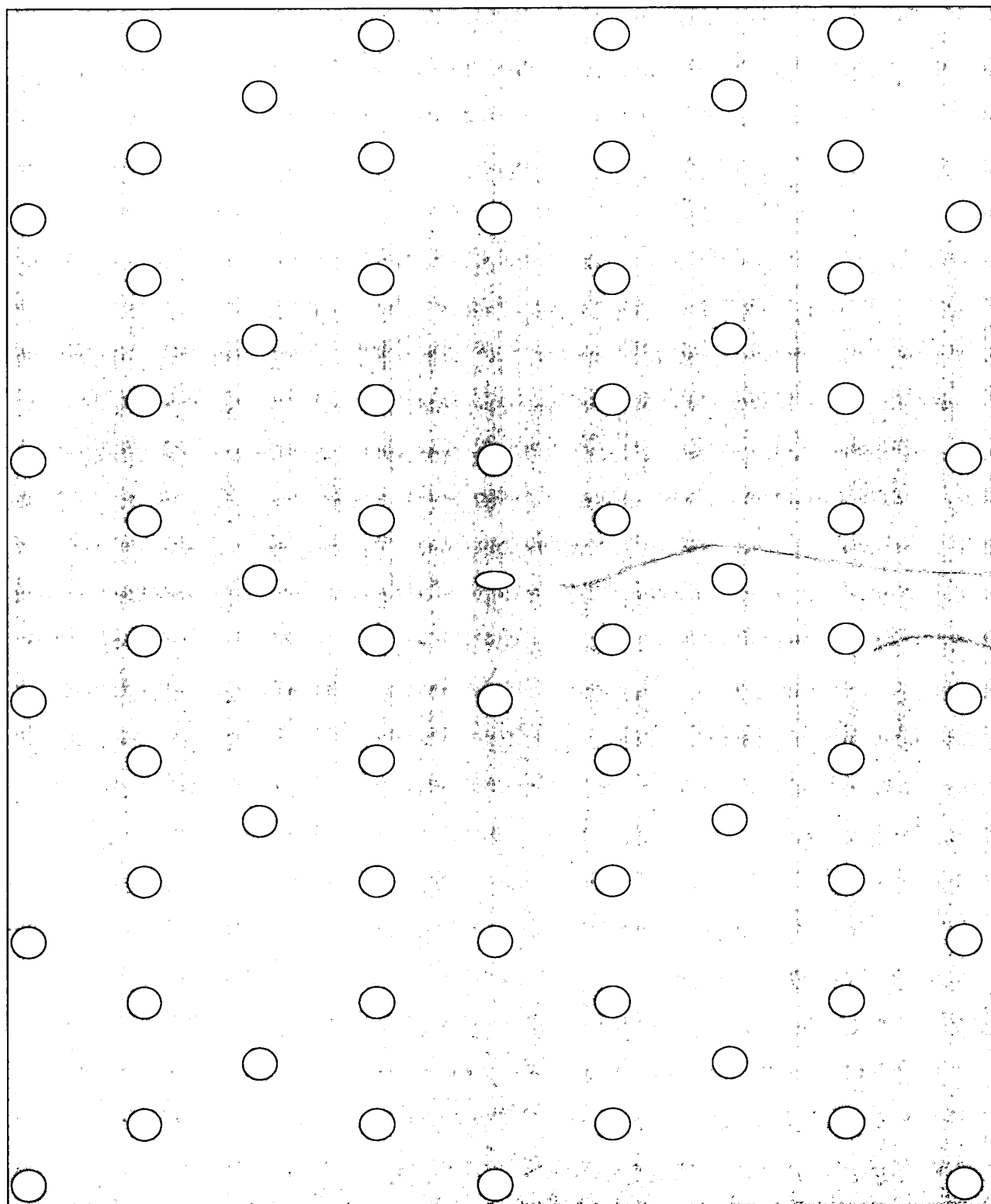


FIG. 26

FIG. 22

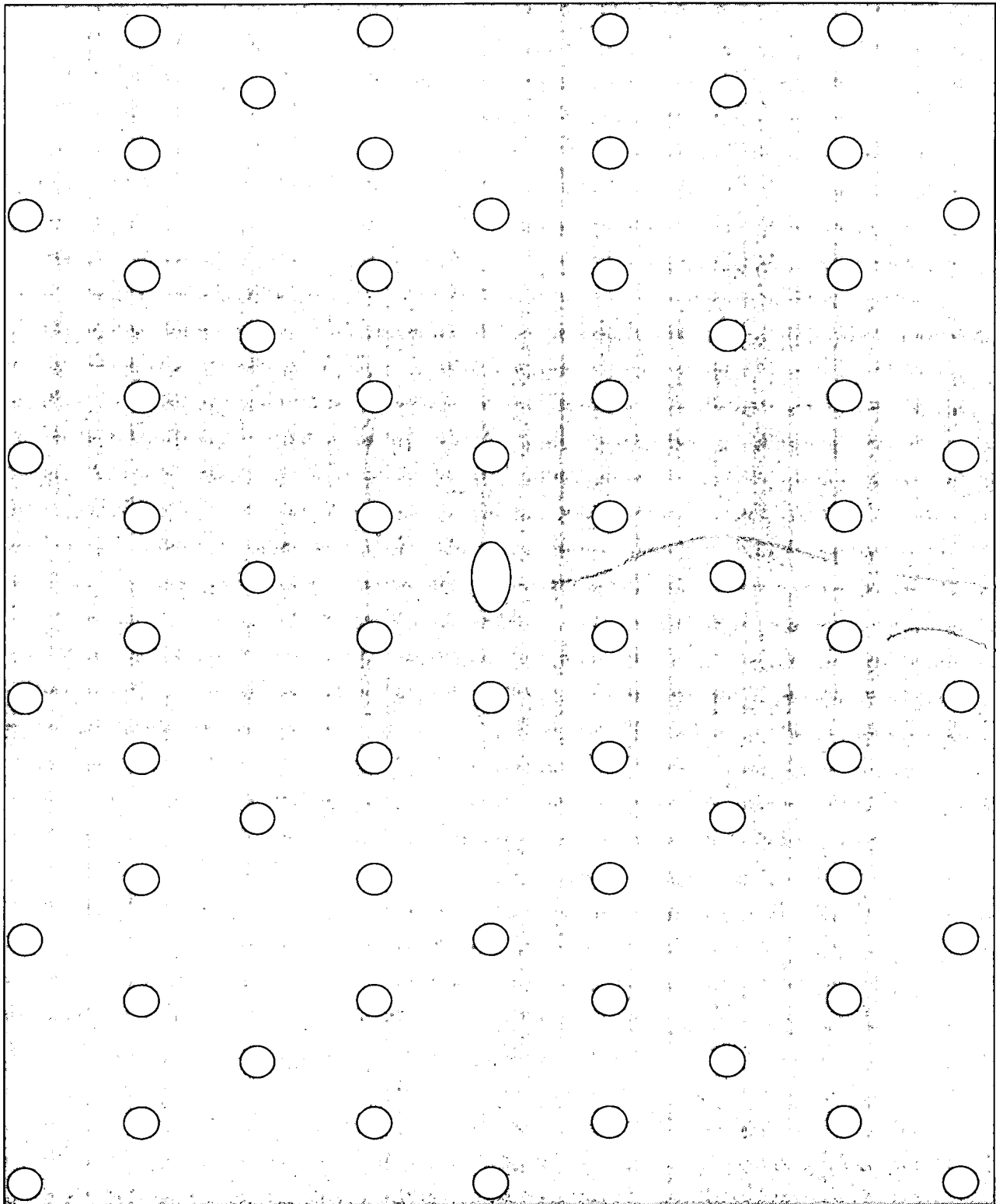


FIG. 22

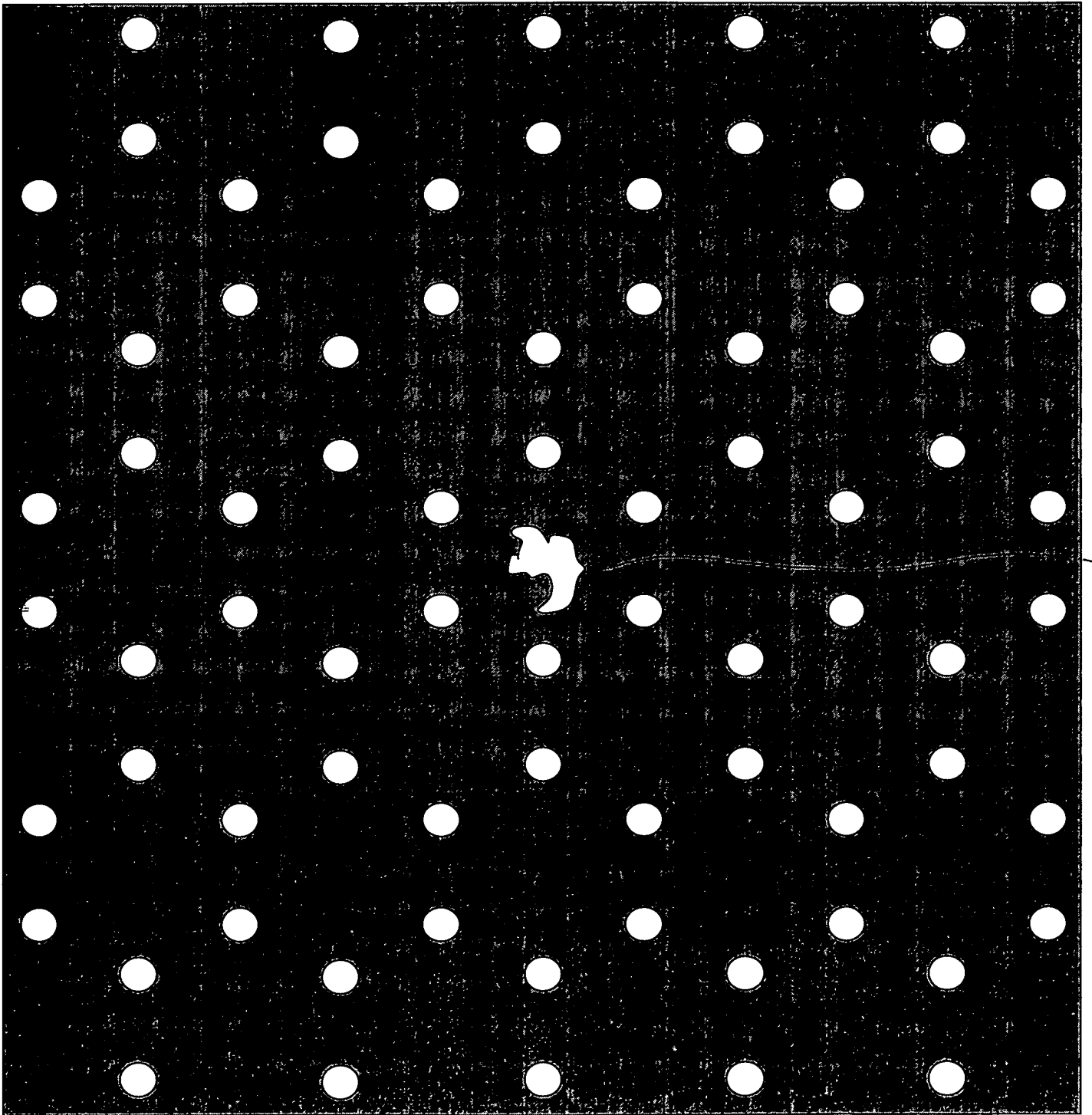
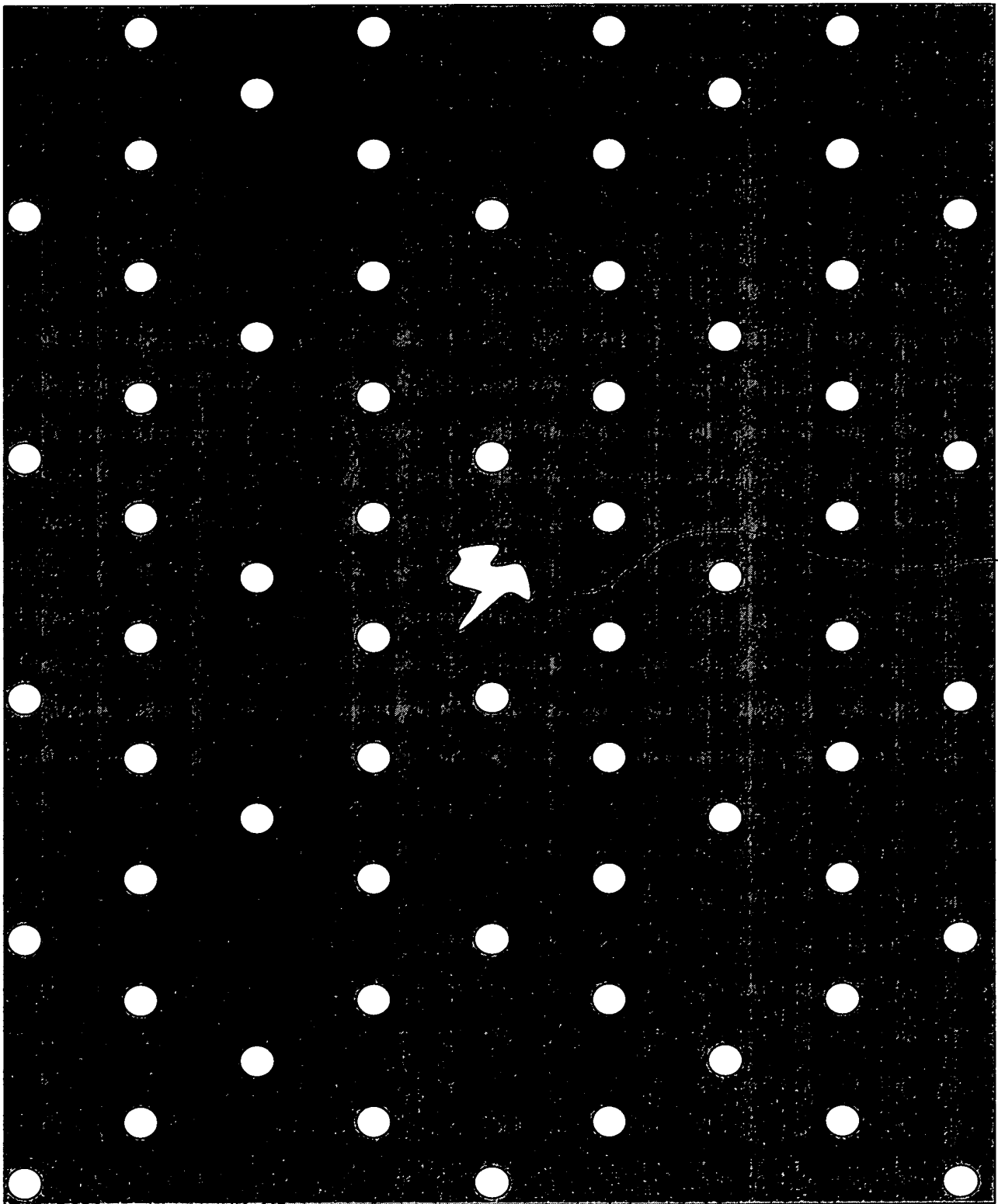


FIG. 78

FIG. 79



(86)

FIG. 79

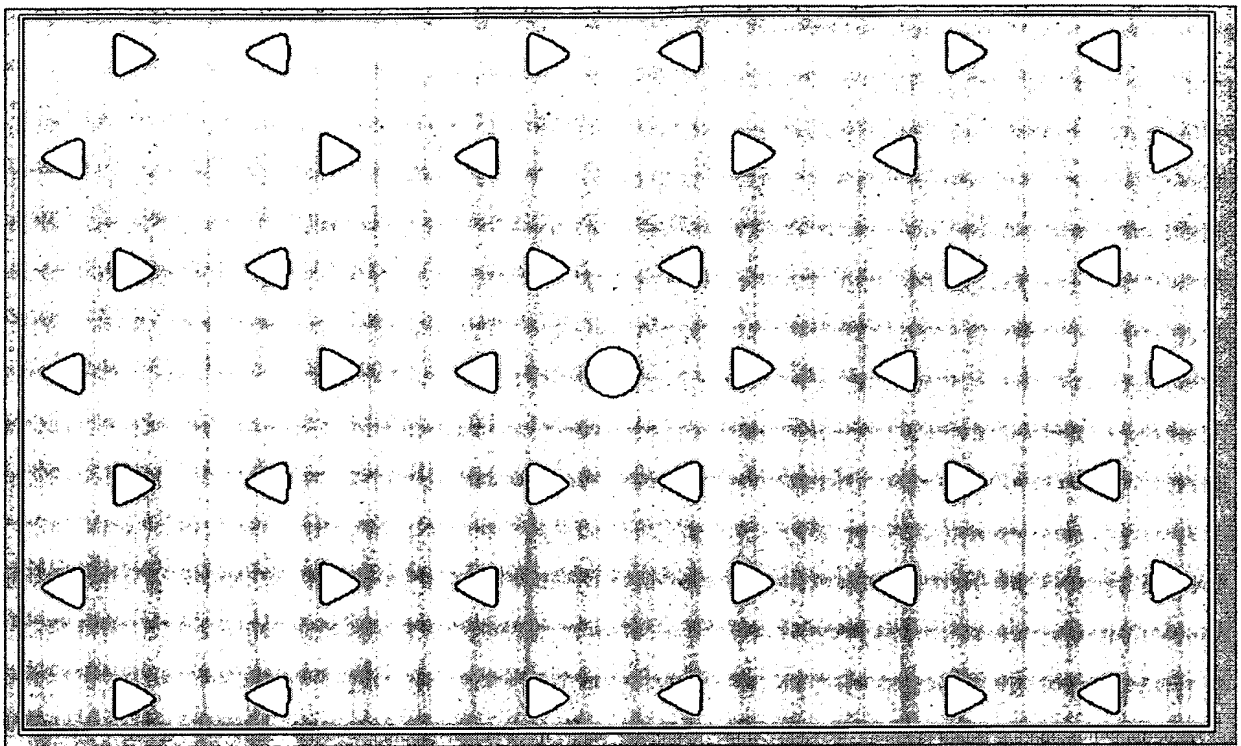


Fig 80

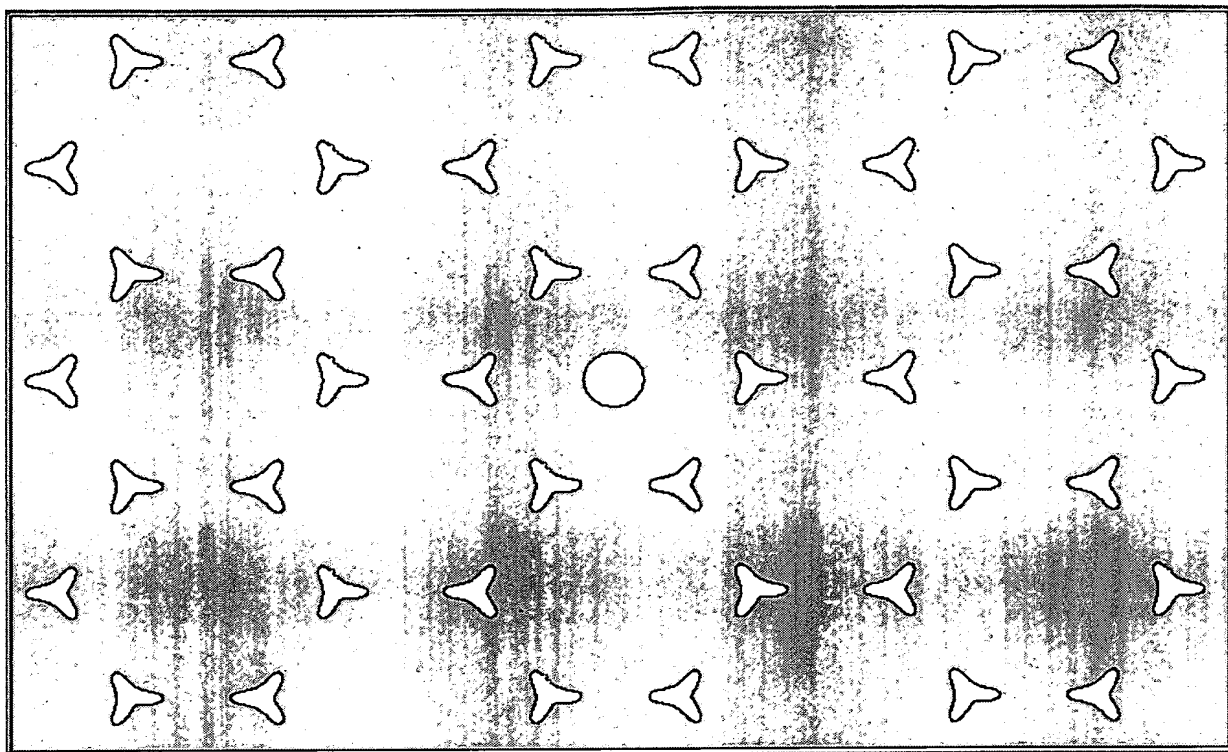


Fig. 81

Fig. 82

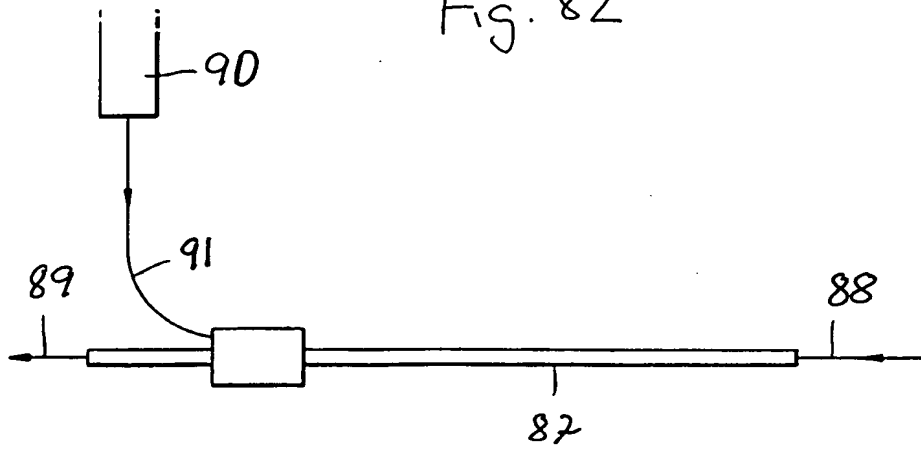


Fig. 83

